

A close-up photograph of laboratory glassware. In the foreground, a large glass beaker is filled with a bright orange liquid. A glass dropper is positioned above the beaker, with a single drop of the orange liquid suspended just above the surface. In the background, several other glass vessels, including a graduated cylinder and another beaker, are partially visible, also containing the same orange liquid. The lighting is bright, creating highlights on the glass surfaces and a vibrant orange color throughout the scene.

# labbox

lab supplies at fair prices

2019

international edition

Labbox Labware S.L. is a Spanish company dedicated to provide consumables, chemicals and small instruments to laboratories, schools, universities, government institutions and industry worldwide.

Labbox has always been committed, since its creation 13 years ago, to offer its clients the fairest prices and the best customer service.

We have been expanding our range of products year by year, and today we are proud to launch our 14th catalogue edition. In the 2019 catalogue, you will find a rich selection of labware and chemicals for your everyday use.

For the first time we incorporated a separate section of life sciences—Life Sciences— in which you will find, among others, consumables for cell culture of our new brand Grynica, a new thermocycler LBX Instruments or Labkem reagents for molecular biology. It is a first seed of a product line that will be further developed in the coming years.

In the General Laboratory section, we continue to expand the range of products, especially in instruments and equipment. We have incorporated, for instance, refractometers, spectrophotometers, ultrasonic baths, incubators and orbital agitators. We have also introduced our new “Premium” brand of agitators Onilab and we created a chromatography chapter with different consumables for this technique.

We are directly present in Spain and France, and we are represented by an international network of distributors in more than 50 countries. To find your country please visit our website [www.ien.labbox.com](http://www.ien.labbox.com)

In our quest of becoming a global leading supplier of laboratory equipment, we are always in search of new distributors to complement our sales network. If you would like to represent us in your country, please feel free to contact us.

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THE **WORLD OF SCIENCE AND ANALYTICS** @  
**ARABLAB**

**VISIT US AT STAND D44-E45**

**VISIT US AT STAND 704, HALL S3**

# WHAT'S NEW

## LIFE SCIENCE AND GRYNIA

For the first time we have added a separate 'Life Science' section to our catalogue, where you will find, among others:

- Consumables for cell culture of our new brand GRYNIA
- A new thermocycler, a colony counter and an electric sterilizer
- Labkem reagents for molecular biology.

It is a first seed of a product line that will be developed in the coming years.

**GRYNIA**



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## CHROMATOGRAPHY

New Chromatography family where you will find:

- Extended range of vials with new sizes, inserts, 'Snap-top' vials, Headspace vials for GC and Shell vials
- Plates and cuvettes for Thin-Layer Chromatography, columns and silica gel for Column Chromatography
- Labkem solvents for GC, HPLC, LC/MS and Pesticide Analysis in 2,5L European glass bottles GL45
- Existing products such as QuEChERS, SPE, syringe filters, vials, boxes and racks.

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## REFRACTOMETERS

Range of refractometers adapted to the most common uses.

Composed of:

- Portable analog refractometers for measuring fruits, wines and spirits.
- Portable multiscale digital refractometers for high precision measurements.
- Analogue ABBE refractometer for measuring the Refractive Index, Brix % and temperature with good accuracy.



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## SAVING PACK labkem P04

Pack of complete box with 4 units for the solvents and acids in GL45 package in both plastic and glass.

All prices per bottle with this pack are lower than the previous year



## ONiLAB

'Premium' line of equipment that incorporates in this first year three stirrer models and a heating plate

The equipment provides an advanced functionality, digital display and an optimized design

Agitators have a brushless, maintenance-free motor

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## Thermoregulation, combustion and calcination

LBX instruments expands its range with the addition of:

- Ultrasonic baths with heating and timer
- Digital thermostatic block with agitation that allows an excellent control of the temperature and agitation assuring reproducible results. Compatible with a wide range of tubes
- High-precision constant temperature incubator with digital display and air circulation system that homogenizes the temperature throughout the work area



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CELL CULTURE



Plastic consumables for cell culture  
Pipettes  
Tissue grinders  
Caps for cell culture

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MOLECULAR  
BIOLOGY



Centrifuge microtubes,  
PCR and accessories  
Thermocyclers  
Reagents for Molecular Biology

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MICROBIOLOGY AND  
PATHOLOGY



Petri dishes  
Loops  
Instrumentation for microbiology  
Spotting plates and staining jars  
Micro slide boxes, dispensers, and mailers  
Microscopes slides and cover glasses  
Culture media Bacteriology Grade  
Dyes and reagents

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Petrographic microscopes  
Stereomicroscope  
Digital cameras

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REFRIGERATION AND  
CRYOGENIZATION



Cryo-tubes and accessories  
Racks for freezers  
Refrigerators and freezers

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GENERAL LABWARE



Beakers  
Erlenmeyer flasks  
Conical measures  
Mortars  
Crystallizing and evaporating dish  
Weighing bottles and watch glasses  
Desiccators and silica gel  
Tapes, Parafilm & auxiliaries

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LABWARE**



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MEASUREMENT INSTRUMENTS  
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TECHNIQUES



FURNITURE



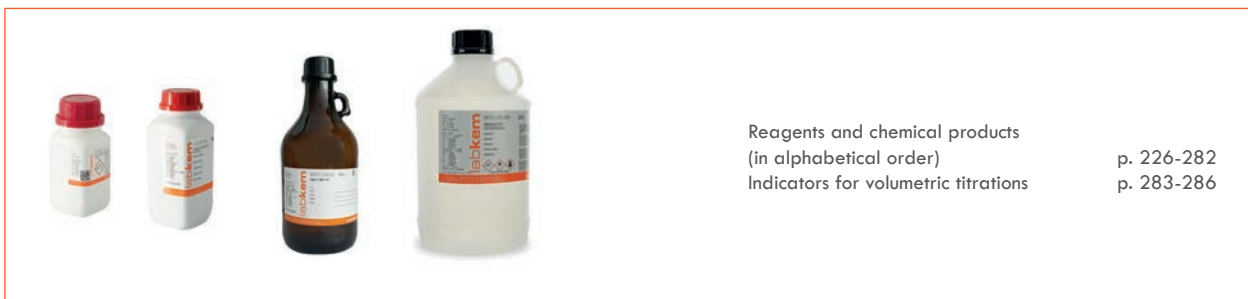
PROTECTION  
EQUIPMENT



HYGIENE AND  
CLEANING



REAGENTS AND CHEMICAL  
PRODUCTS







**LIFE SCIENCE**



GRYNIA



### Culture flasks, treated, sterile

NEW

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Flat base which is free from striation to maximize the usable growth area. Polyethylene cap available in two versions: blind standard cap for closed systems and vented cap with a 0,22 micron hydrophobic membrane to allow gas exchange minimizing the risk of cross contamination. Angled neck design to improve access of pipettes and cell scrapers. Engraved graduation on both sides and writing area next to the neck. Sterilized by gamma irradiation and certified free of DNase, RNase and pyrogens. Packed in resealable bags of 10 units (flasks of 25 and 50 ml) or 5 units (flasks of 250 and 600 ml)

reference	volume (ml)	growth area (cm <sup>2</sup> )	stopper	pcs/pack	price/pack	average price/pc
CCFP-S25-200	25	12,5	standard	200		
CCFP-V25-200	25	12,5	vent	200		
CCFP-S50-200	50	25,0	standard	200		
CCFP-V50-200	50	25,0	vent	200		
CCFP-25S-100	250	75,0	standard	100		
CCFP-25V-100	250	75,0	vent	100		
CCFP-60S-040	600	182,0	standard	40		
CCFP-60V-040	600	182,0	vent	40		

GRYNIA



### Culture multiwell plates, treated, sterile

NEW

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Uniform volume and growth surface in all wells. Smooth well surface which is free from striation to maximize the usable growth area. Wells are labeled with alphanumeric code for easy identification. Sterilized by gamma irradiation and certified free of DNase, RNase and pyrogens. Lids included. Packed in individual bags

reference	wells	working vol. (ml)	growth area (cm <sup>2</sup> )	bottom	pcs/pack	price/pack	average price/pc
CCPP-006-100	6	1,90 - 2,90	9,60	flat	100		
CCPP-012-100	12	0,76 - 1,14	3,85	flat	100		
CCPP-024-100	24	0,38 - 0,57	1,93	flat	100		
CCPP-048-100	48	0,19 - 0,29	0,83	flat	100		
CCPP-096-100	96	0,075 - 0,20	0,33	flat	100		
CCPP-U96-100	96	0,075 - 0,20	0,58	U-shaped	100		

GRYNIA



### Culture dishes, treated, sterile

NEW

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Smooth surface which is free from striation to maximize the usable growth area. Sterilized by gamma irradiation and free of pyrogens. Lids included. Packed in resealable bags of 10 units

reference	Ø <sub>base</sub> (mm)	Ø <sub>lid</sub> (mm)	h <sub>with lid</sub> (mm)	growth area (cm <sup>2</sup> )	pcs/pack	price/pack	average price/pc
CCDP-035-960	32,8	37,8	12,5	8,5	960		
CCDP-060-600	52,0	58,8	17,8	21,2	600		
CCDP-100-300	87,8	95,6	22,0	60,8	300		

GRYNIA



### Cell scrapers, sterile

NEW

Two blade positions: "scraper" and "lifter", made of thermoplastic elastomer (TPE). Flexible ABS handle, specially designed to collect cells without damaging. Sterilized by gamma irradiation and certified free of DNase, RNase and pyrogens. Packaged in individual bags

reference	blade width (mm)	l <sub>total</sub> (mm)	pcs/pack	price/pack	average price/pc
CSCP-025-100	2,0	250	100		
CSCP-039-100	2,0	390	100		

**NEW PES vacuum filtration units, sterile**

Used for the filtration of culture media and other biological fluids. Collection bottle made of polystyrene, upper cup made of ABS, central neck and lid made of polypropylene. Filter membrane made of PES (polyethersulfone). Maximum usage temperature: 45 °C. Sterilized by gamma irradiation and free of pyrogens. Packaged in individual bags

reference	pore ( $\mu\text{m}$ )	volume (ml)	$\varnothing$ <sub>membrane</sub> (mm)	pcs/pack	price/pack	average price/pc
VFPE-252-012	0,22	250	50	12		
VFPE-254-012	0,45	250	50	12		
VFPE-502-012	0,22	500	75	12		
VFPE-504-012	0,45	500	75	12		

GRYNIA

**NEW Polystyrene serological pipette, sterile**

Made of crystal polystyrene and with color coded ring for quick volume identification. Sterilized by gamma irradiation. Non-pyrogenic. Packed individually in paper/plastic bag (peel-pack). Cotton filter plug to protect pipetting devices. Graduations are calibrated for accurate dispensing within  $\pm 2\%$ . Normal graduation (zero on top). Carton has been specially designed for efficient bench top dispensing with a removable perforated front panel. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	graduation (ml)	code color	pcs/pack	price/pack	average price/pc
MPIP-J01-500	1 ml	0,01	yellow	500		
MPIP-J02-500	2 ml	0,02	green	500		
MPIP-J05-200	5 ml	0,1	blue	200		
MPIP-J10-200	10 ml	0,1	orange	200		
MPIP-J25-150	25 ml	0,2	red	150		
MPIP-J50-100	50 ml	0,5	purple	100		

GRYNIA

**NEW Tissue grinder, PTFE**

Used for the controlled reduction of particle size and homogenization of a variety of substances, especially biological material. The plunger head is made of pure PTFE and the shaft of stainless steel ( $\varnothing$  6,5 mm). The tube is made of borosilicate glass and the clearance between the plunger head and tube is 0,15-0,25 mm wide. Volumes stated are working volumes with the plunger in place

reference	volume (ml)	h (mm)	type	pcs/pack	price/pack
TIGR-V02-001	2	120	glass vessel	1	
TIGR-V05-001	5	135	glass vessel	1	
TIGR-V10-001	10	150	glass vessel	1	
TIGR-V15-001	15	155	glass vessel	1	
TIGR-V30-001	30	175	glass vessel	1	
TIGR-V50-001	50	195	glass vessel	1	
TIGR-P02-001	2	230	plunger	1	
TIGR-P05-001	5	235	plunger	1	
TIGR-P10-001	10	270	plunger	1	
TIGR-P15-001	15	270	plunger	1	
TIGR-P30-001	30	270	plunger	1	
TIGR-P50-001	50	270	plunger	1	

GRYNIA



## Steristoppers®



## Cellulose stoppers, sterilizable

Disposable. Designed to close culture and microbiological samples, sample tubes, erlenmeyers, ... Will fit perfectly into the mouth of the container. Sterilizable up to 200 °C. Air permeable

reference	number	for containers with $\varnothing_{inner}$	pcs/pack	price/pack	average price/pc
SSTO-08P-100	8P	7,5 - 10,5 mm	100		
SSTO-009-100	9	10,5 - 11,5 mm	100		
SSTO-09P-100	9P	9,0 - 10,5 mm	100		
SSTO-010-100	10	9,5 - 11,5 mm	100		
SSTO-011-100	11	12,0 - 14,5 mm	100		
SSTO-012-100	12	11,5 - 13,5 mm	100		
SSTO-013-100	13	12,5 - 14,5 mm	100		
SSTO-014-100	14	13,0 - 14,5 mm	100		
SSTO-14P-100	14P	12,0 - 14,0 mm	100		
SSTO-015-100	15	13,5 - 15,5 mm	100		
SSTO-018-100	18	17,5 - 18,5 mm	100		
SSTO-019-100	19	19,0 - 22,0 mm	100		
SSTO-026-100	26	26,0 - 27,0 mm	100		
SSTO-027-100	27	27,0 - 32,5 mm	100		
SSTO-029-025	29	29,5 - 31,0 mm	25		
SSTO-29K-025	29K	26,0 - 27,0 mm	25		
SSTO-032-025	32	32,5 - 35,0 mm	25		
SSTO-32P-025	32P	32,0 - 33,0 mm	25		
SSTO-036-025	36	35,5 - 39,5 mm	25		
SSTO-037-025	37	37,5 - 41,5 mm	25		
SSTO-038-025	38	40,0 - 43,5 mm	25		
SSTO-40P-025	40P	42,0 - 46,5 mm	25		
SSTO-45P-025	45P	47,0 - 48,0 mm	25		

## Labocap



## Test tube caps, Labocap

Used in microbiological, bacteriological and biotechnological laboratories. They are mainly used to protect the sample against external dirt, guaranteeing a sterilizable but non-hermetic seal. Made of high quality aluminum. Built-in spring made of nickel-plated steel that gives an excellent adhesion to the tube and ensures the required air flow

NEW

reference	$\varnothing_{tube}$ (mm)	color	pcs/pack	price/pack	average price/pc
CFTT-009-010	9/10	red	10		
CFTT-012-010	12/13	red	10		
CFTT-014-010	14/15	red	10		
CFTT-015-010	15/16	red	10		
CFTT-017-010	17/18	red	10		
CFTT-019-010	19/20	red	10		
CFTT-021-010	21/23	red	10		
CFTT-024-010	24/26	red	10		

**PCR microtube, DNase and RNase free, Premium Line**

Made of polypropylene. Thin wall tube for PCR, optimized for all thermocyclers models. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Natural colour, autoclavable

reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRD-F05-1K0	0,5 ml	PCR flat lid	1000		
PCRD-F02-1K0	0,2 ml	PCR flat lid	1000		

**PCR microtube**

Made of polypropylene. Autoclavable

reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRP-002-1K0	0,2 ml	for PCR, flat lid	1000		
"Saving package"					
PCRP-002-20K	0,2 ml	for PCR, flat lid	20 x 100		

Storage boxes en racks for PCR microtubes see p. 154

NEW

**Thermocycler DLAB TC1000-S series**

Used to amplify DNA and RNA samples via the polymerase chain reaction (PCR) and for other temperature-sensitive reactions. Aluminum block capacity (included): 96 x 0,2 ml PCR tubes, 96 well plate or 8 and 12 PCR tube strips. Heating temperature range: 4-105°C. Lid temperature range: 30-110 °C. Temperature display resolution: ±0,1 °C. Temperature control accuracy [at 55 °C]: ±0,3 °C. Temperature uniformity [at 55 °C]: <0,3 °C. Max heating/cooling rate: 3 °C/sec. Intuitive LCD touch screen for real time monitoring of experimental temperature. Six high-performance Peltier structures for temperature control accuracy. Superior temperature control system with two options: programming the block temperature or programming the estimated temperature inside the tube. Adjustable thermal lid with anti-sample evaporation function. Power-ON self-test function for quick internal diagnosis. Power off protection with automatic program recovery. User defined file system: max. 30 segments of 99 cycles, max. 16 folders and 16 files in each folder. Hot lid automatic shut-off function if module temperature is lower than 30 °C. Compatible with most universal PCR tubes and 96-well PCR plates. Dimensions: 280 x 370 x 250 mm. 100-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
THCY-1KS-001	Thermocycler DLAB TC1000-S	1	

ZERO DNA solution for cleaning contaminating DNA and RNA particles see p. 223

astik's



astik's



DLAB



## Reagents for molecular biology

NEW

**Acrylamide**

labkem

MW: 71.08 CAS: 79-06-1 EC: 201-173-7 EC INDEX: 616-003-00-0 UN: 2074 TARIC code: 29241500

IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074

Acrylamide **GEN** for electrophoresis

Assay > 99.9%  
Insol. matter < 0.05%

Acryl. acid < 0.001%  
H<sub>2</sub>O < 0.1%





reference	packaging	price
ACAD-00B-1K0	1 kg	

## Agarose

labkem

CAS: 9012-36-6 EC: 232-658-1 TARIC code: 13023100

Agarose D1 low EEO (electroendosmosis) <b>GEN</b>	reference	packaging	price
<p>App. White cream powder Moisture &lt; 7% pH solution 6.5 - 7.0 pH gel 6.5 - 7.0 Ash &lt; 0.4% colour. (1.5%,450nm) &lt; 0.03 Turb. (1.5%) &lt; 3NTU</p> <p>Gel str. 1.5% &gt; 2500g/cm Gel strength 1% &gt; 1200g/cm SO<sub>4</sub> &lt; 0.1% Gel point (1.5%) 34.5 - 37.5°C Melt. range (1.5%) 86.5 - 89.5°C EEO 0.05 - 0.13</p> <p>Applications: DNA typing, Blotting. Anal. and prep. gel electroph. for nucl ac. &gt; 1000bp Storage temp. 2 - 25°C</p>	AGAR-D1L-500	 500 g	
Agarose E <b>GEN</b>	reference	packaging	price
<p>Ash &lt; 0.45% SO<sub>4</sub> &lt; 0.15% Gel strength 1% &gt; 1000g/cm<sub>2</sub> Turb. (1.5%) &lt; 4NTU</p> <p>Gel str. 1.5% &gt; 2000g/cm<sub>2</sub> Gel point (1.5%); 34.5 - 37.5°C Melt. range (1.5%); 86.5 - 89.5°C</p> <p>Applications: Blotting Sep. of nucl. ac. from 250bp to 23kb Storage temp.: 2 - 25°C</p>	AGAR-E00-500	 500 g	
Agarose LM-SIEVE <b>GEN</b>	reference	packaging	price
<p>App.: White cream powder Turb. (4%) &lt; 8.00NTU Moisture &lt; 7% pH solution: 6.85 - 7.15 pH gel: 6.85 - 7.15 Ash &lt; 0.3% Colour. (4%, 450nm) &lt; 0.06</p> <p>Gel str. 4% &gt; 1000g/cm SO<sub>4</sub> &lt; 0.12% Gel point (4%) &lt; 35°C Melt. point (4%) &lt; 65°C Anal. Separ. &lt; 1000bp EEO &lt; 0.1</p> <p>Applications: Preparative electrophoresis, Fine resolution, In-gel applications. Storage temp.: 2 - 25°C</p>	AGAR-LMS-100	 100 g	
Agarose MS-4 <b>GEN</b>	reference	packaging	price
<p>App.: White cream powder Transp. (3%) &lt; 6NTU Moisture &lt; 7% pH solution: 6.4 - 6.8 pH gel: 6.4 - 6.8 Ash &lt; 0.3% Colour. (450nm) &lt; 0.04</p> <p>Gel strength (3%) &gt; 500g/cm SO<sub>4</sub> &lt; 0.11% Gel str. (5%) &gt; 1000g/cm Gel point (3%) &lt; 31°C Melt. point (3%) &lt; 76°C Anal. Separ. &lt; 1000bp EEO &lt; 0.12</p> <p>Applications: Fine resolution, Protein electrophoresis. Storage temp.: 2 - 25°C</p>	AGAR-MS4-100	 100 g	


## Ammonium peroxodisulfate

labkem

MW: 228.19 CAS: 7727-54-0 EC: 231-786-5 EC INDEX: 016-060-00-6 UN: 1444 TARIC code: 28334000

IMDG: 5.1 III UN 1444 ADR: 5.1 02 III UN 1444 IATA: 5.1 III UN 1444



Acrylamide <b>GEN</b> for electrophoresis	reference	packaging	price
<p>Assay &gt; 98% Free Acid &lt; 0.04meq/g Cl<sup>-</sup> &lt; 0.0005%</p> <p>Heavy metals (Pb) &lt; 0.001% Fe &lt; 0.001% Mn &lt; 0.00005%</p> <p>Res. on ignition &lt; 0.05% Insol. matter &lt; 0.005%</p>	AMPS-00B-1K0	 1 L	


## Dimethyl sulfoxide

labkem

MW: 78.13 CAS: 67-68-5 EC: 200-664-3 TARIC code: 29309098

IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074



Dimethyl sulfoxide <b>GEN</b> for cell biology	reference	packaging	price
<p>Assay &gt; 99.5% Free Acid &lt; 0.001% Non-Vol. Mat. &lt; 0.001% Phosphorous(P) &lt; 0.00001%</p> <p>Si &lt; 0.00002% H<sub>2</sub>O &lt; 0.1% Ca &lt; 0.0001% Cu &lt; 0.00005%</p> <p>Fe &lt; 0.0001% K &lt; 0.00005% Mg &lt; 0.00005% Na &lt; 0.0002%</p> <p>Pb &lt; 0.00002% Zn &lt; 0.00002%</p>	DMSO-00B-100	 100 ml	


## Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate

labkem

MW: 372.24 CAS: 6381-92-6 EC: 205-358-3 TARIC code: 29224985

IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074



Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate <b>GEN</b> for molecular biology	reference	packaging	price
<p>DNases/RNases/Proteases free pass test Assay &gt; 99.5% pH (5%, 25°C) 4 - 5 Loss on dry. &lt; 10.0% Cl<sup>-</sup> &lt; 0.005% SO<sub>4</sub> &lt; 0.01%</p> <p>As &lt; 0.0005% Cu &lt; 0.001% Fe &lt; 0.001% Pb &lt; 0.001%</p>	EDTA-00B-500	 500 g	




NEW

## Ficoll® 400

labkem

MW: 400000 CAS: 26873-85-8 TARIC code: 39072020

IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074

Ficoll® 400 <b>GEN</b>	reference	packaging	price
DNases/RNases/Proteases free App. White to off-white	FCOL-00B-010	 10 g	


NEW

## Glycine

labkem

MW: 75.06 CAS: 56-40-6 EC: 200-272-2 TARIC code: 29224985


**H<sub>2</sub>NCH<sub>2</sub>COOH**

Glycine <b>GEN</b> for electrophoresis and molecular biology	reference	packaging	price
DNases/RNases/Proteases free Assay > 99.5% pH 5.9 - 6.4 Loss on dry. < 0.1% Other (Amino-ac.) < 0.1% NH <sub>4</sub> < 0.02% Cl <sup>-</sup> < 0.004% SO <sub>4</sub> < 0.005% As < 0.0001% Fe < 0.0005% Pb < 0.0005%	GLIC-00B-1K0	 1 kg	

## LB (LENNOX) agar

labkem


TARIC code: 13023100

LB (LENNOX) agar <b>GEN</b>	reference	packaging	price
Homogeneous, free flowing and beige. If any changes physically, discard product. App. Amber slight.opalesc. pH (25°C) 6.8 - 7.2 Conc. of use 35g/L Preparation: Dissolve 35 gr on 1 L with heat and boil for 1 min until complete dissolution. Sterilize at 121°C for 15 min, cool to 45- 50°C, mix well and dispense into plates. Once open. avoid hydr. Storage temp. 2 - 25°C	AGLB-00P-500	 500 g	

## LB (LENNOX) broth

labkem


TARIC code: 13023100

LB (LENNOX) broth <b>GEN</b>	reference	packaging	price
Homogeneous, free flowing and light-Beige. If any changes physically, discard product. App. clear amber pH (25°C) 6.8 - 7.2 Conc. of use 20g/L Preparation: Dissolve 20 gr on 1 L with heat until complete dissol.	LBBR-00P-500	 500 g	

## LURIA agar (Miller's LB agar)

labkem


TARIC code: 13023100

LURIA agar (Miller's LB agar) <b>GEN</b>	reference	packaging	price
Homogeneous, free flowing and beige. If any changes physically, discard product. App. Amber slight.opalesc. pH (25°C) 6.8 - 7.2 Conc. of use 40g/L Preparation: Diss. 40 gr in 1 L of water w/heat and boil for 1 min until complete dissol. Sterilize at 121°C for 15 min, cool to 45-50°C, mix well and dispense into plates. Once open. avoid hydration Storage temp. 2 - 25°C	AGLU-00P-500	 500 g	

## LURIA broth (Miller's LB broth)

labkem

TARIC code: 13023100

LURIA broth (Miller's LB broth) <b>GEN</b>	reference	packaging	price
Homogeneous, free flowing and light-Beige. If any changes physically, discard product. App. clear amber pH (25°C) 6.8 - 7.2 Conc. of use 25g/L Preparation: Dissolve 25 gr on 1 L with heat until complete dissol.	LUBR-00P-500	 500 g	


NEW

## Lithium chloride

labkem

MW: 42.39 CAS: 7447-41-8 EC: 231-212-3 TARIC code: 28273985

**LiCl**

Lithium chloride <b>GEN</b> for molecular biology	reference	packaging	price
DNases/RNases/Proteases free Assay > 99.0% Loss on dry. < 1% SO <sub>4</sub> < 0.01% As < 0.005% Ca < 0.01% Fe < 0.005 Na < 0.2	LICH-00B-100	 100 g	


NEW

## Magnesium chloride hexahydrate

labkem

MW: 203.3 CAS: 7791-18-6 EC: 232-094-6 TARIC code: 28273100

**MgCl<sub>2</sub>·6H<sub>2</sub>O**

Magnesium chloride hexahydrate <b>GEN</b> for molecular biology	reference	packaging	price
DNases/RNases/Proteases free Assay > 99.0% Loss on dry. < 1% SO <sub>4</sub> < 0.01% As < 0.005% Ca < 0.01% Fe < 0.005 Na < 0.2	MGCH-06B-500	 500 g	


## 3-(N-Morfolino)propanesulfonic acid (MOPS)

labkem

NEW

MW: 209.27 CAS: 1132-61-2 TARIC code: 29349990

 $C_7H_{15}NO_4S$ 

3-(N-Morfolino)propanesulfonic acid (MOPS) GEN for biochemistry	reference	packaging	price
Assay > 99.5% pH 3.5 - 4.5 Melt. point > 280°C	Fe < 0.0005% Pb < 0.0005% Abs. (260nm) < 0.05	MOPS-00B-100	 100 g


## Ponceau S Red solution

labkem

NEW

TARIC code: 38220000




Ponceau S Red solution GEN for molecular biology	reference	packaging	price
DNases/RNases/Proteases free Assay > 99.0% Loss on dry. < 1%	SO <sub>4</sub> < 0.01% As < 0.005% Ca < 0.01%	Fe < 0.005 Na < 0.2	PONC-S0B-250  250 ml

## Terrific broth

labkem

TARIC code: 13023100


Terrific broth GEN	reference	packaging	price
Homogeneous, free flowing and light-Beige. If any changes physically, discard product.	App. amber pH (25°C) 7.0 - 7.4 Preparation: Suspend 50.8 gr in 900ml,	add 4ml of glycerol and adjust to 1 L. Sterilize at 121°C for 15 min. Once open. avoid hydration Storage temp. 2 - 25°C	TEBR-00P-500  500 g

## TRIS-Acetate-EDTA-Buffer pH 8.5 (50x)

labkem

NEW

TARIC code: 38220000

TRIS-Acetate-EDTA-Buffer pH 8.5 (50x) GEN	reference	packaging	price
Composition TRIS 2.0 mol/l EDTA 0.05 mol/l HAC 1 mol/l in		TAEB-085-1K0	 1 L

## TRIS-Borate-EDTA-Buffer pH 8.3 (10x)

labkem

NEW

TARIC code: 38220000


TRIS-Borate-EDTA-Buffer pH 8.3 (10x) GEN	reference	packaging	price
Composition TRIS 1.0 mol/l EDTA 0.02 mol/l H <sub>3</sub> BO <sub>3</sub> 1.0		TBEB-083-1K0	 1 L

## Tris (hydroxymethyl) aminomethane

labkem

CAS: 77-86-1 MW: 121,14 EC: 201-064-4 TARIC code: 29221985

 $NH_2C(CH_2OH)_3$ 


Tris (hydroxymethyl) aminomethane GEN	reference	packaging	price
Assay > 99% Melt. range 168 - 172°C	pH (5%, 20°C) 10 - 11.5 Ash (SO <sub>2</sub> ) < 0.05%	Heavy metals (Pb) < 0.0005%	TRIS-00A-250  250 g

## Tween® 20

labkem

NEW

MW: 1227.72 CAS: 9005-64-5 TARIC code: 34021300

Tween® 20 GEN for biochemistry	reference	packaging	price
Density 1.095 - 1.105 Solub. in H <sub>2</sub> O > 100g/l	boiling point > 100° C	TWEN-20B-100	 100 ml


## Urea

labkem

NEW

MW: 60.06 CAS: 57-13-6 EC: 200-315-5 TARIC code: 31021010

 $CH_4N_2O$ 

Urea GEN for electrophoresis and molecular biology	reference	packaging	price
DNases/RNases/Proteases free Assay > 99.0% pH 7.5 - 10.5	Heavy metals (Pb) < 0.001% Cl⁻ < 0.0005% SO <sub>4</sub> < 0.001%	Fe < 0.0005%	UREA-00B-100  100 g

### Ø55 mm Polystyrene Petri dishes

Packed in a bag of 10 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-06N-500	55	12,8	14,1	aseptic, without vents	500		
PDIP-E6N-500	55	12,8	14,1	sterile, without vents	500		
PDIP-060-500	54,4	12,7	14	aseptic, with 3 vents	500		
PDIP-E60-500	54,4	12,7	14	sterile, with 3 vents	500		

### Ø90 mm Polystyrene Petri dishes

Packed in a bag of 20/23 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-09N-500	89,5	15,2	16,3	aseptic, without vents	500		
PDIP-E9N-500	89,5	15,2	16,3	sterile, without vents	500		
PDIP-090-500	88,8	15	16,3	aseptic, with 3 vents	500		
PDIP-E90-500	88,8	15	16,3	sterile, with 3 vents	500		
PDIP-091-575	88,8	12,8	14,2	aseptic, with 3 vents	575		
PDIP-E91-575	88,8	12,8	14,2	sterile, with 3 vents	575		

### Ø90 mm Polystyrene Petri dishes with 3 compartments

Packed in a bag of 20 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-093-500	88,8	15,2	16,5	aseptic, with 3 vents	500		
PDIP-E93-500	88,8	15,2	16,5	sterile, with 3 vents	500		

### Ø100 mm Polystyrene Petri dishes

Packed in a bag of 10 units, aseptic or sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-100-500	96,6	12,6	13,9	aseptic, with 3 vents	500		
PDIP-10E-500	96,6	12,6	13,9	sterile, with 3 vents	500		

### Ø120 mm Polystyrene Petri dishes

Packed in a bag of 10 units, sterile by irradiation. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

Referencia de la caja	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-12E-320	112,8	15,1	16,8	sterile, with 3 vents	320		

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**Ø150 mm Polystyrene Petri dishes**

Packed in a bag of 10 units, sterile by irradiation. Certificate of sterilization (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>with lid</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-15E-140	144,3	17,3	169,1	sterile, with 3 vents	140		

astik's

**Polystyrene Rodac contact plate**

Contact plate for bacterial count in test surfaces. Certificate of sterilization (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	Ø <sub>base</sub> (mm)	h <sub>base</sub> (mm)	h <sub>base</sub> (mm)	type	pcs/pack	price/pack	average price/pc
CPLP-060-1K0	62,2	11	16,6	aseptic, with 3 vents	1000		
CPLP-E60-1K0	62,2	11	16,6	sterile, with 3 vents	1000		

astik's

**120x120 mm Polystyrene Petri dishes**

Squared petri dishes for antibiograms. Packed in 10 aseptic petri dishes bag

reference	l (mm)	w (mm)	h <sub>base</sub> (mm)	type	pcs/pack	price/pack	average price/pc
PDIP-120-240	120	120	14	aseptic, with 4 vents	240		

LBG

**Glass Petri dish**

Made of soda-lime glass

reference	Ø <sub>base</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
PDIN-060-030	60	15	30		
PDIN-080-024	80	15	24		
PDIN-100-036	100	20	36		
PDIN-150-036	150	25	36		

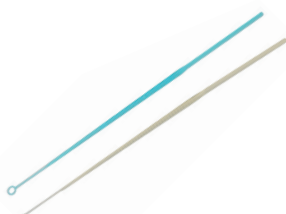
LBG

**Borosilicate glass Petri dish**

Made of borosilicate glass LBG 3.3

reference	Ø <sub>base</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
PDI3-060-012	60	15	12		
PDI3-080-010	80	15	10		
PDI3-100-008	100	20	8		
PDI3-150-006	150	30	6		

astik's

**Inoculation loops, calibrated**

Made of HIPS plastic. Hexagonal shaft with stripes. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
LOOH-E01-1K0	1 µl white color, sterile, 10 pcs/zip-lock pack	1000		
LOOH-E01-500	1 µl white color, sterile, 1 pc/peel pack	500		
LOOH-E10-1K0	10 µl dark blue color, sterile, 10 pcs/zip-lock pack	1000		
LOOH-E10-500	10 µl dark blue color, sterile, 1 pcs/peel pack	500		

### L spreaders

Sterile L spreader made of polystyrene with round finishing to avoid any damage on media surface. Certificate of sterilization (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
SPRP-L01-1K0	L shape (angle 100°), sterile, individually wrapped	1000		
SPRP-L05-1K0	L shape (angle 100°), sterile, 5 pcs/bag	1000		

### Kolle handle

Each handle is supplied with two inoculation loops (loop end 3 mm diameter)

reference	type	pcs/pack	price/pack
KOLS-200-001	200 mm length + 2 Ni-Cr inoculation loops	1	
KOLS-290-001	290 mm length + 2 Ni-Cr inoculation loops	1	
Accessories and spare parts			
KOLA-001-050	loop end 3 mm diameter	50	
KOLA-002-050	needle end	50	
KOLA-003-050	lancet tip end	50	

NEW

### Electric sterilizer LBX S850 series

Designed for sterilization of laboratory equipment like needles, tweezers and other small items at high temperatures and short sterilization time (5-7 seconds). Can also be used at lower temperatures and long sterilization time to prevent contamination. Temperature range: RT+20 - 850°C. Maximum diameter of objects to sterilize: 15 mm. Adjustable angle: 45-75°. Dimensions (L x W x H): 210 x 90 x 170 mm. 220 V / 50-60 Hz. Warranty 1 year

reference	description	pcs/pack	price/pack
STER-850-001	electric sterilizer LBX S850 series	1	

NEW

### Colony counter LBX CC100 series

Designed to specify the number of microbial colonies present on sample plates with maximized efficiency. Four 3-digit (0-999) LED displays show the present and previous counting values. Can make an average count from multiple counting and store up to 100 averages in the memory. BACK button can deduce data when overcounting. Adjustable dish holder suitable for Petri dishes from 90-150 mm or 60 mm. Adjustable pressure sensitivity. Optional: software able to add, delete, search, print and save data in Excel format (.csv). Dimensions (mm): 351 x 302 x 370. 100-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
CLCN-100-001	colony counter LBX CC100 series	1	
CLCN-A01-001	software for LBX CC100 series colony counter	1	

### Hand tally counter

4 digits counter. Up to 9999

reference	description	pcs/pack	price/pack
HCNT-001-001	counter up to 9999	1	

### Porcelain spotting plate

Glazed except for bottom surface

reference	l (mm)	w (mm)	∅ <sub>hole</sub> (mm)	type	pcs/pack	price/pack
SPPC-006-001	94	62	21	6 cavities	1	
SPPC-012-001	115	88	21	12 cavities	1	

### astik's



### clink



### lbx



### lbx



### METRIA



### HDI ceramics





astik's

**Colorimetric 3 cell tray, polyethylene**

NEW

Particularly useful for colorimetric tests

reference	dimensions (mm)	Ø <sub>hole</sub> (mm)	cell depth (mm)	pcs/pack	price/pack	average price/pc
CTYP-003-010	28 x 58	21	7	10		



astik's

**Colorimetric 8 cell tray, polystyrene**

NEW

Particularly useful for colorimetric tests

reference	dimensions (mm)	Ø <sub>hole</sub> (mm)	cell depth (mm)	pcs/pack	price/pack	average price/pc
CTYP-008-010	95 x 57	15	2	10		



LBG

**Staining jar, glass**

Made of neutral glass. With lid

reference	type	pcs/pack	price/pack
MSSN-001-001	Coplin (A), for 5 slides	1	
MSSN-002-001	Schieferdecker (B), for 10 slides	1	
MSSN-003-001	Hellendahl (C), for 8 slides	1	



astik's

**Staining jar, PMP**

Made of polymethylpentene (PMP or TPX), includes lid. Remark: Xylene can cause etching to PMP after two days at room temperature

reference	type	pcs/pack	price/pack
MSSX-002-001	Schieferdecker (A), for 10 slides	1	
MSSX-003-001	Hellendahl (B), for 8 slides	1	



astik's

**Staining jar, acc. to Coplin, polypropylene**

With screw lid

reference	type	pcs/pack	price/pack
MSSP-001-001	for 5 slides	1	



LBG

**Staining jar, acc. to Hausser-Gedigk**

Made of glass, with lid and aluminum slide stand

reference	l (cm)	h (cm)	w (cm)	type	pcs/pack	price/pack
MSHN-030-001	10	10	9	for 30 slides	1	
MSHN-060-001	16	10	9	for 60 slides	1	



astik's

**Staining jar with removable rack, PMP**

Includes jar made of polymethylpentene (PMP or TPX), staining rack made of polypropylene and two lids (one lid for when dish is not in use and one lid with special opening to allow handle of staining rack). Remark: Xylene can cause etching to PMP after two days at room temperature

reference	type	pcs/pack	price/pack
MSHX-020-001	for 20 slides	1	



### Transport case for microscope slides

Made of polypropylene. For 76 x 26 mm slides

reference	type	pcs/pack	price/pack
MSMP-001-001	for 1 slide	1	
MSMP-002-001	for 2 slides	1	
MSMP-005-001	for 5 slides	1	

### Microscope slide box

Made of polystyrene. With removable lid and numbered slots to hold microscope slides of 76 x 26 mm

reference	l (mm)	w (mm)	h (mm)	type	pcs/pack	price/pack
MSBP-025-001	125	95	35	for 25 slides	1	
MSBP-050-001	230	100	35	for 50 slides	1	
MSBP-100-001	230	185	35	for 100 slides	1	

### Microscope slide box

Made of ABS plastic. Orange color. With lid fixed to the box through hinges and with cork protection base

reference	type	pcs/pack	price/pack
MSLP-012-001	for 12 slides	1	
MSLP-025-001	for 25 slides	1	
MSLP-050-001	for 50 slides	1	
MSLP-100-001	for 100 slides	1	

### Microscope slide box

The transparent cover provide excellent view of the slides stored inside. Can hold 100 numbered slides of 76 x 26 mm

reference	w (mm)	l (mm)	h (mm)	type	pcs/pack	price/pack
MSRP-100-001	85	250	90	for 100 slides	1	

### Microscope slides Basic Line

The most economic option for education and for routine applications in veterinary medicine, urine analysis, etc. Made of clear glass - precleaned. Sizes: 76 x 26 mm and thickness 1.0-1.2 mm. Packed in carton boxes of 50 units with protective paper between each slide and every box protected by a sealed nylon cover (Tropical Pack)

reference	corners	description	pcs/pack	price/pack	average price/pc
SLIU-005-050	90°	cut edges	50		
SLIG-005-050	45°	ground edges	50		
SLIF-005-050	90°	ground edges, single frost	50		
"Saving package" (50 boxes x 50 slides/box)					
SLIU-005-2K5	90°	cut edges	50 x 50		
SLIG-005-2K5	45°	ground edges	50 x 50		
SLIF-005-2K5	90°	ground edges, single frost	50 x 50		

bb



bb



bb



bb



LBG



LBG

**Microscope slides Standard Line**

The best quality/price ratio for any kind of application. Made of clear glass - pre-cleaned. Sizes: 76 x 26 mm and thickness 1.0-1.2 mm. Each slide is printed with the name "labbox" on one side. Packed in carton boxes of 50 units protected by double cellophane paper



reference	corners	description	pcs/pack	price/pack	average price/pc
SLIU-010-050	90°	cut edges	50		
SLIG-010-050	45°	ground edges	50		
SLIF-010-050	45°	ground edges, single frost	50		
SLIU-D10-050	90°	cut edges, double frost	50		
SLIF-D10-050	45°	ground edges, double frost	50		
"Saving package" (50 boxes x 50 slides/box)					
SLIU-010-2K5	90°	cut edges	50 x 50		
SLIG-010-2K5	45°	ground edges	50 x 50		
SLIF-010-2K5	45°	ground edges, single frost	50 x 50		
SLIU-D10-2K5	90°	cut edges, double frost	50 x 50		
SLIF-D10-2K5	45°	ground edges, double frost	50 x 50		

LBG

**Microscope slides Premium Line**

Superior quality at an affordable price for routine applications in pathology, histology, cytology and more fields needing a higher quality. Made of a clear glass - pre-cleaned, beveled edges and corners 45°. Sizes: 76 x 26 mm and thickness 1.0-1.2 mm. Each slide is printed with the name "labbox" on one side. Packed in carton boxes of 50 units protected by double cellophane paper



reference	description	pcs/pack	price/pack	average price/pc
SLIB-G10-050	plain	50		
SLIB-F10-050	single frost	50		
SLIB-B10-050	double frost	50		
"Saving package" (50 boxes x 50 slides/box)				
SLIB-G10-2K5	plain	50 x 50		
SLIB-F10-2K5	single frost	50 x 50		
SLIB-B10-2K5	double frost	50 x 50		

LBG

**Cover glass Standard Line**

Made of standard glass. Pre-cleaned. Packed in plastic boxes protected by a sealed aluminium cover (Tropical Pack)




reference	l (mm)	w (mm)	thickness (mm)	pcs/pack	price/pack	average price/pc
COVN-018-200	18	18	0,13-0,16	200		
COVN-020-200	20	20	0,13-0,16	200		
COVN-022-200	22	22	0,13-0,16	200		
COVN-024-200	24	24	0,13-0,16	200		
COVN-032-100	24	32	0,13-0,16	100		
COVN-040-100	24	40	0,13-0,16	100		
COVN-050-100	24	50	0,13-0,16	100		
COVN-060-100	24	60	0,13-0,16	100		
"Saving package"						
COVN-018-1K0	18	18	0,13-0,16	5 x 200		
COVN-020-1K0	20	20	0,13-0,16	5 x 200		
COVN-022-1K0	22	22	0,13-0,16	5 x 200		
COVN-024-1K0	24	24	0,13-0,16	5 x 200		
COVN-032-1K0	24	32	0,13-0,16	10 x 100		
COVN-040-1K0	24	40	0,13-0,16	10 x 100		
COVN-050-1K0	24	50	0,13-0,16	10 x 100		
COVN-060-1K0	24	60	0,13-0,16	10 x 100		

## Culture media for microbiology and pathology

### Agar agar

labkem


CAS: 9002-18-0 EC: 232-658-1 TARIC code: 13023100

Agar agar <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App. White to pale brown powder Moisture &lt; 12% Conc. of use 1.2 - 1.6% Ash &lt; 4.5% Absence of inhibitors</p> <p>Turb. (1.5%) &lt; 8NTU pH (1.5%)bef.autocl. 6.0 - 7.5 pH (1.5%)aft. autocl. 6.0 - 7.5 Colour. before autocl. (450nm) &lt; 0.25 Colour. after autocl. (450nm) &lt; 0.30 Gel strength (Nikan) 800 - 1100g/cm Gel point (1.5%) 34 - 38°C Melt. range (1.5%) 85 - 90°C</p>	AGAG-00P-500	 500 g	

### Bacteriological peptone

labkem

TARIC code: 35040090

Bacteriological peptone <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. Loss on dry. &lt; 6% Amino N (on dry) &gt; 2.6% Total N (on dry) &gt; 12%</p> <p>Ash &lt; 15% pH (2%): 6.5 - 7.5 Red. sugars: negative Undigest. prot.: negative Proteoses: negative NO<sub>2</sub>: negative</p>	BACP-00P-500	 500 g	

### Baird Parker agar base

labkem


TARIC code: 13023100

Baird Parker agar base <b>BAC</b> Ph. Eur.	reference	packaging	price
<p>Homogeneous, free flowing and toasted in colour. If any changes physically, discard product. App.: yellow opalescent</p> <p>pH (25°C): 6.6 - 7.0 Conc. of use: 63g/l Preparation: Dissolve 63 gr on 1 L with heat and boil</p>	ABBP-0EP-500	 500 g	

### Blood agar base

labkem


TARIC code: 13023100

Blood agar base <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and toasted in colour. If any changes physically, discard product. App.: amber pH (25°C): 7.1 - 7.5 Conc. of use: 40g/l Preparation: Dissolve 40 gr in 1 L of water and boil for 1 min until complete</p> <p>dissolution. Sterilize at 121°C for 15 minutes. Cool to 45-50°C and aseptically add 5-10% of sterile defibrinated blood (Avoid bubbles in homogenization) If desired, add BLPS-00P to increase growth. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	ABBL-00P-500	 500 g	

### Brilliant green bile broth 2% (BRILA)

labkem



TARIC code: 13023100

Brilliant green bile broth 2% (BRILA) <b>BAC</b> ISO-4831, ISO-4832	reference	packaging	price
<p>Homogeneous, free flowing and Beige-greenish. If any changes physically, discard product. App.: Brilliant green</p> <p>pH (25°C): 7.0 - 7.4 Conc. of use: 40g/l Preparation: Diss. 40 gr in 1 L of water w/heat and boil for 1 min until complete dissol.</p> <p>Steril. 121°C for 15 min. (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C</p>	BRGR-001-500	 500 g	

**Buffered peptone water**

labkem


TARIC code: 13023100

Buffered peptone water <b>BAC</b> Ph. Eur.	reference	packaging	price
Homogeneous, free flowing and whitish. If any changes physically, discard product. App.: Transparent	pH (25°C): 6.8 - 7.2 Conc. of use: 16.1g/l Preparation: Dissolve 16.1 gr on 1 L with heat and	boil for 1 min until complete dissolution. Steril. 121°C for 15 min. Once open. avoid hydration Storage temp.: 2 - 25°C	AGPT-0EP-500  500 g
Buffered peptone water <b>BAC</b> ISO-6579, ISO-22964, ISO-6887, ISO-19250, DIN-10181, DIN-10160	reference	packaging	price
Homogeneous, free flowing and slightly toasted. If any changes physically, discard product. App.: Light amber	pH (25°C): 6.8 - 7.2 Conc. of use: 20g/l Preparation: Dissolve 20 gr on 1 L with heat and boil for 1 min until complete dissolution.	Steril. 121°C for 15 min. Once open. avoid hydration. Storage temp.: 2 - 25°C	AGPT-0DI-500  500 g

**Chapman agar (TTC)**

labkem


TARIC code: 13023100

Chapman agar (TTC) <b>BAC</b> ISO-9308-1	reference	packaging	price
Homogeneous, free flowing and greenish-beige. App.: Violet-red pH (25°C): 7.0 - 7.4	If any changes physically, discard product. Conc. of use: 56.15g/l	Preparation: Dissolve 56.15gr on 1 L with heat and boil for 1 min until complete dissolution.	Steril. 121°C for 15 min. Once open. avoid hydration. Storage temp.: 2 - 25°C
	AGCH-001-500	 500 g	

**Chromogenic tryptone bile X-glucuronide agar (TBX)**

labkem


TARIC code: 13023100

Chromogenic tryptone bile X-glucuronide agar (TBX) <b>BAC</b> ISO-16649-2,3	reference	packaging	price
Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Amber slight.opalesc. pH (25°C): 7.0 - 7.4	Conc. of use: 36.6g/l Preparation: Dissolve 36.6 gr on 1 L with heat and boil for 1 min until complete dissolution. Sterilize at 121°C for 12 min.	Once open. avoid hydration Storage temp.: 2 - 25°C	AGTB-001-500  500 g

**Coliform chromogenic agar (CCA)**

labkem

TARIC code: 13023100


Coliform chromogenic agar (CCA) <b>BAC</b> ISO-9308	reference	packaging	price
App.: clear amber pH (25°C): 6.6 - 7.0 Homogeneous, free flowing and beige in colour. If any changes physically, discard product.	Conc. of use: 26.45g/l Preparation: Dissolve 26.45 gr in 1 L of water and boil for 1 min until complete dissolution. (DO NOT AUTOCLAVE)	(AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 8°C	AGCC-001-500  500 g

**Egg yolk emulsion + tellurite supplement**

labkem

TARIC code: 38220000

**Delivery time 2 weeks**


Egg yolk emulsion + tellurite supplement <b>BAC</b>	reference	packaging	price
Colour: Yellow Tellurite Egg Yolk Emulsion, sterilized and stabilized, for use in microbiology applications. ready for use with ABBP-0EP for selection of coagulase-positive Staphylococci. The addition of Egg yolk and Potassium tellurite helps to differentiate these microorganisms from others capable of growing in the base agar, through the detection of lecithinase and the formation of black colonies Sterility test: passes test Fertility test: passes test Storage temp.: 2 - 8°C	EYTS-00P-100	 100 ml	

**Ferric ammonium citrate supplement**

labkem

TARIC code: 38220000

**Delivery time 2 weeks**

Ferric ammonium citrate supplement <b>BAC</b> ISO-11290-1	reference	packaging	price
Aseptically reconstitute 1 vial with 5 ml of sterile distilled water. Mix gently until complete dissolution and add aseptically to 500 ml of FRLB-001 and FRLB-0H1, autoclaved and cooled to 50°C. Mix well and distribute into sterile containers. Microbial Contamination absence: passes test Storage temp.: 2 - 8°C	FACS-00P-010	 10 pcs	




**D(+)-Glucose anhydrous**

labkem

CAS: 50-99-7 MW: 180,16 EC: 200-075-1 TARIC code: 17023000




D(+)-Glucose anhydrous <b>BAC</b>	reference	packaging	price
<p>App.: Colourless cryst. white powder Spec. Rot. (20°C;10%H<sub>2</sub>O): 52.5 - 53.0° Insol. matter &lt; 0.005% Loss on dry. (105 °C) &lt; 0.2% Cl. &lt; 0.0025%</p> <p>Starch: Passes test Acid. (Acetic acid) &lt; 0.015% Ash (SO<sub>4</sub>) &lt; 0.02% SO<sub>4</sub> &lt; 0.005% Fe &lt; 0.0005%</p> <p>Heavy metals (Pb) &lt; 0.0005% As &lt; 0.00004% Pb &lt; 0.0005%</p>	GLUC-A0A-500	 500 g	

**Listeria agar base Oxford**

labkem

TARIC code: 13023100




Listeria agar base Oxford <b>BAC</b> ISO-11290-2	reference	packaging	price
<p>App.: amber pH (25°C): 7.0 - 7.2 Homogeneous, free flowing and beige in colour. If any changes physically, discard product. Conc. of use: 13.9g/l Preparation: Dissolve 27.8 gr in 500 ml of water and boil for 1 min until</p> <p>complete dissolution. Sterilize at 121°C for 15 minutes. Cool to 45-50°C and aseptically add 1 vial of OLSS-001, previously reconstituted in 5 ml of water/acetone Once open. avoid hydration Storage temp.: 2 - 25°C</p>	ABOX-001-500	 500 g	

**Listeria agar base Palcam**

labkem

TARIC code: 13023100





Listeria agar base Palcam <b>BAC</b> ISO-11290-2	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Red pH (25°C): 7.0 - 7.4 Conc. of use: 68.8g/l Preparation: Dissolve 34.4 gr on 500 ml with heat and boil for 1 min until</p> <p>complete dissolution. After cooling to 50°C add one vial of PLSS-001 previously reconstituted in 5ml of sterile distilled water Steril. 121°C for 15 min. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	ABPA-001-500	 500 g	

**Listeria enrichment Fraser broth base**

labkem


TARIC code: 13023100

Listeria enrichment 1/2 Fraser broth base <b>BAC</b> ISO-11290-1	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Purple red pH (25°C): 7.0 - 7.4</p> <p>Conc. of use: 14.35g/l Preparation: Dissolve 28.7 gr on 500 ml with heat and boil for 1 min until complete dissolution.</p> <p>Steril. 121°C for 15 min. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	FRLB-0HI-500	 500 g	
Listeria enrichment Fraser broth base <b>BAC</b> ISO-11290-1	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Purple red pH (25°C): 7.0 - 7.4</p> <p>Conc. of use: 14.35g/l Preparation: Dissolve 28.7 gr on 500 ml with heat and boil for 1 min until complete dissolution.</p> <p>Steril. 121°C for 15 min. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	FRLB-001-500	 500 g	

**Lysine decarboxylase medium**

labkem


TARIC code: 13023100

Lysine decarboxylase medium <b>BAC</b> ISO-6579, ISO-10273, ISO-19250	reference	packaging	price
<p>Homogeneous, free flowing and light beige in colour. If any changes physically, discard product. App.: Violet</p> <p>pH (25°C): 6.6 - 7.0 Conc. of use: 9g/l Preparation: Dissolve 9 gr in 1 L of water and boil for 1 min until complete dissolution.</p> <p>Sterilize at 121°C for 15 minutes. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	LDBR-001-500	 500 g	

**MacConkey agar**

labkem


TARIC code: 13023100

MacConkey agar <b>BAC</b> Ph. Eur., ISO-21567	reference	packaging	price
<p>Homogeneous, free flowing and beige-pink. If any changes physically, discard product. App.: Beige - pink</p> <p>pH (25°C): 6.9 - 7.3 Conc. of use: 50g/l Preparation: Dissolve 50 gr. on 1 L with heat and boil for 1 min until complete dissolution.</p> <p>Steril. 121°C for 15 min. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	AGMC-IEP-500	 500 g	

**Man, Rogosa and Sharpe agar (MRS)**

labkem


TARIC code: 13023100

Man, Rogosa and Sharpe agar (MRS) <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Amber slight.opalesc.</p> <p>pH (25°C): 6.0 - 6.4 Conc. of use: 62g/l Preparation: Dissolve 62 gr on 1 L with heat and boil</p>	AGMR-00P-500	 500 g	
			for 1 min until complete dissolution. Sterilize at 121°C for 12 min. Once open. avoid hydration Storage temp.: 2 - 25°C

**Mueller Hinton agar**

labkem


TARIC code: 13023100

Mueller Hinton agar <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and Cream. If any changes physically, discard product. Col. of the prep. med.: Amber slight.opalesc.</p> <p>Col. of prep. med. w/blood: Red pH (25°C): 7.2 - 7.6 Microb. test: Passes test Conc. of use: 38g/l Preparation: Dissolve 38 gr on 1 L with heat and boil</p>	AGMH-00P-500	 500 g	
			for 1 min until complete dissolution. Steril. 121°C for 15 min. (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C

**Muller-Kauffmann broth base w/ brilliant green & novobiocin (MKTTN)**

labkem

TARIC code: 13023100

Muller-Kauffmann broth base w/ brilliant green & novobiocin (MKTTN) <b>BAC</b> ISO-6579	reference	packaging	price
<p>Homogeneous, free flowing and toasted in colour. If any changes physically, discard product. App.: amber pH (25°C): 7.1 - 7.5 Conc. of use: 40g/l Preparation: Dissolve 40 gr in 1 L of water and boil for 1 min until complete</p> <p>dissolution. Sterilize at 121°C for 15 minutes. Cool to 45-50°C and aseptically add 5-10% of sterile defibrinated blood (Avoid bubbles in homogenization) If desired, add BLPS-00P to increase growth. Once open. avoid hydration Storage temp.: 2 - 25°C</p>	MKFB-00I-500	 500 g	

**Oxford Listeria selective supplement**

labkem

TARIC code: 38220000

 **Delivery time 2 weeks**

Oxford Listeria selective supplement <b>BAC</b> ISO-11290-1	reference	packaging	price
<p>Aseptically reconstitute 1 vial with 5ml of of 1:1 v/v sterile distilled water/acetone. Aseptically add 500 ml of ABOX-00I once autoclaved and cooled to 50°C. Microbial Contamination absence: Passes test Storage temp.: 2 - 8°C</p>	OLSS-00I-010	 10 pcs	
			

**Palcam Listeria selective supplement**

labkem

TARIC code: 38220000


**Delivery time 2 weeks**

Palcam Listeria selective supplement <b>BAC</b> ISO-11290-2	reference	packaging	price
<p>Aseptically reconstitute 1 vial with 5ml of of 1:1 v/v sterile distilled water/acetone. Aseptically add 500 ml of ABPA-00I once autoclaved and cooled to 50°C. Microbial Contamination absence: Passes test Storage temp.: 2 - 8°C</p>	PLSS-00I-010	 10 pcs	
			

**Peptone from casein (tryptone)**

labkem

CAS: 91079-40-2 EC: 293-428-4 TARIC code: 35040090

Peptone from casein (tryptone) <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. Amino N (on dry) &gt; 3.9% Total N (on dry) &gt; 10% Ash &lt; 15% pH (2%): 6.5 - 7.5</p> <p>Loss on drying &lt; 6% Red. sugars: Negative Undigest. prot.: Negative Proteoses: Negative NO<sub>2</sub>: Negative Tryptophan: Negative Standard Plate Count &lt; 5000cfu</p> <p>Molds and Yeast &lt; 100cfu Once open. avoid hydration Storage temp.: 2 - 25°C</p>	TRYN-00P-500	 500 g	

## Polyenrichment supplement

labkem

TARIC code: 38220000

Delivery time 2 weeks

Polyenrichment supplement <b>BAC</b>	reference	packaging	price
<p>Aseptically reconstitute 1 vial of Polyenrichment Growth Supplement (vial A) with 1 vial of Polyenri If desired, this supplement can also be added to ABBL-00P. Includes 5 x Vial A and 5 x Vial B. Microbial Contamination absence: passes test Storage temp.: 2 - 8°C</p>	BLPS-00P-010	2x5 pcs	

## Rappaport soy broth according Vassiliadis

labkem

TARIC code: 13023100

Rappaport soy broth according Vassiliadis <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and light-Beige. If any changes physically, discard product. App.: Blue pH (25°C): 5.0 - 5.4 Conc. of use: 26.75g/l Preparation:</p>	RSVB-00P-500	500 g	
<p>Suspend 26,75g on 1 L with heat until complete dissol. Sterilize at 115°C for 15 min. (AVOID OVERHEATING) Once open, avoid hydration Storage temp.: 2 - 25°C</p>			
Rappaport soy broth according Vassiliadis <b>BAC</b> ISO-6579, ISO-19250	reference	packaging	price
<p>Homogeneous, free flowing and blue-greenish. If any changes physically, discard product. App.: Blue pH (25°C): 5.0 - 5.4 Conc. of use: 30.06g/l</p>	RSVB-00I-500	500 g	
<p>Preparation: Dissolve 33,37 gr in 1110 ml with heat until complete dissol. Sterilize at 115°C for 15 min. (AVOID OVERHEATING) Once open, avoid hydration Storage temp.: 2 - 25°C</p>			

## Saboraud dextrose agar

labkem

TARIC code: 13023100

Saboraud dextrose agar <b>BAC</b> Ph. Eur.	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Amber/slight opalesc. pH (25°C): 5.4 - 5.8</p>	AGDS-0EP-500	500 g	
<p>Conc. of use: 65g/l Preparation: Sterilize at 118-121°C for 15min. Dissolve 65 gr. on 1 L with heat and boil for 1 min until complete dissolution.</p>	(AVOID OVERHEATING) Once open, avoid hydration Storage temp.: 2 - 25°C		

## Sabouraud dextrose w/ chloramphenicol Agar

labkem

TARIC code: 13023100

Sabouraud dextrose w/ chloramphenicol Agar <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Amber slight opalesc. pH (25°C): 5.4 - 5.8</p>	AGSC-00P-500	500 g	
<p>Conc. of use: 65.5g/l Preparation: Dissolve 65.5 gr on 1 L with heat and boil for 1 min until complete dissolution. Steril. 121°C for 15 min.</p>	(AVOID OVERHEATING) Once open, avoid hydration Storage temp.: 2 - 25°C		

## Standard methods agar (PCA)

labkem

TARIC code: 13023100

Standard methods agar (PCA) <b>BAC</b> ISO-4833	reference	packaging	price
<p>Homogeneous, free flowing and light-toasted. If any changes physically, discard product. Col. of the prep. med.: Clear amber, slightly opalescent</p>	AGSM-00I-500	500 g	
<p>pH (25°C): 6.8 - 7.2 Microb. test: passes test Conc. of use: 23.5g/l Preparation: Dissolve 23.5 gr on 1 L with heat and</p>	boil for 1 min until complete dissolution. Steril. 121°C for 15 min. Once open, avoid hydration Storage temp.: 2 - 25°C		

## Sulfite polymyxin sulfadiazine agar (SPS)

labkem


TARIC code: 13023100

Sulfite polymyxin sulfadiazine agar (SPS) <b>BAC</b>	reference	packaging	price
<p>Homogeneous, free flowing and beige. If any changes physically, discard product. App.: Amber slight opalesc</p>	AGSP-00P-500	500 g	
<p>pH (25°C): 6.8 - 7.2 Conc. of use: 39.7g/l Preparation: Dissolve 39.7 gr on 1 L with heat and</p>	boil for 1 min until complete dissolution. Steril. 121°C for 15 min. Once open, avoid hydration Storage temp.: 2 - 25°C		

## Triple sugar iron agar (TSI)

labkem


TARIC code: 13023100

Triple sugar iron agar (TSI) <b>BAC</b> ISO-6579, ISO-19250	reference	packaging	price
<p>Homogeneous, free flowing and pink in colour. App.: Red pH (25°C): 7.2 - 7.6 Preparation:</p> <p>If any changes physically, discard product. Conc. of use: 64.6g/l Dissolve 64.6 gr in 1 L of water and boil for 1 min until complete dissolution.</p>	AGTS-001-500	 500 g	
Sterilize at 121°C for 15 minutes. (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C			

## Trypticasein soy agar (TSA)

labkem


TARIC code: 13023100

Trypticasein soy agar (TSA) <b>BAC</b> Ph. Eur.	reference	packaging	price
<p>Homogeneous, free flowing and beige in colour. If any changes physically, discard product. Col. of prep. med. w/blood: Cherry red pH (25°C): 7.1 - 7.5 Conc. of use: 40g/l Preparation: Diss. 40 gr in 1 L of water w/heat and boil for 1 min until complete dissol. Sterilize at 121°C for 15 minutes. Once open. avoid hydration</p>	AGST-0EP-500	 500 g	
<p><i>S. aureus</i> ATCC25923 Growth: Good <i>S. aureus</i> ATCC6538 Growth: Good <i>S. epidermidis</i> ATCC12228 Growth: Good <i>S. pneumoniae</i> ATCC 6303 Growth: Good <i>Streptococcus pneumoniae</i> ATCC 6303 Growth: Good <i>S. pyogenes</i> ATCC 19615 Growth: Good <i>P. aeruginosa</i> ATCC 9027 Growth: Good <i>B. subt.</i> ATCC 6633 Growth: Good <i>C. albicans</i> ATCC 10231 Growth: Good <i>A. brasiliensis</i> ATCC 16404 Growth: Good</p>			

## Trypticasein soy broth (TSB)

labkem

TARIC code: 13023100



Trypticasein soy broth (TSB) <b>BAC</b> Ph. Eur.	reference	packaging	price
<p>Homogeneous, free flowing and light beige in colour. If any changes physically, discard product. Col. of the prep. med.: clear amber pH (25°C): 7.1 - 7.5 Conc. of use: 30g/l Preparation: Dissolve 30 gr on 1 L with heat and boil for 1 min until complete dissol. Sterilize at 121°C for 15 minutes. Once open. avoid hydration <i>B. abortus</i> ATCC 4315 Growth: Good <i>S. aureus</i>. ATCC6538 growth: Good</p>	STRB-0EP-500	 500 g	
<p><i>E. coli</i> ATCC 25922 Growth: Good <i>E. coli</i> ATCC 8739 Growth: Good <i>E. aerogenes</i> ATCC 13048 Growth: Good <i>C. albicans</i> ATCC 10231 Growth: Good <i>S. pyogenes</i> ATCC 19615 Growth: Good <i>S. pneumoniae</i> ATCC 6303 Growth: Good <i>Streptococcus pneumoniae</i> ATCC 6303 Growth: Good <i>P. aeruginosa</i> ATCC 9027 Growth: Good <i>S. typhimurium</i> ATCC 14028 Growth: Good <i>B. subt.</i> ATCC 6633 Growth: Good <i>A. brasiliensis</i> ATCC 16404 Growth: Good</p>			

## TTC 1% supplement

labkem

TARIC code: 38220000


 Delivery time 2 weeks

TTC 1% supplement <b>BAC</b>	reference	packaging	price
<p>Aseptically reconstitute 1 vial with 2.5 ml of water. Mix and aseptically add to 500 ml of AGCH-001. Microbial Contamination absence: Passes test Storage temp.: 2 - 8°C</p>	TTCS-00P-010	 10 pcs	
			

## Violet red bile w/ glucose agar (VRBG)

labkem


TARIC code: 13023100

Violet red bile w/ glucose agar (VRBG) <b>BAC</b> Ph.Eur, ISO-21528	reference	packaging	price
<p>Homogeneous, free flowing and fine powder. If any changes physically, discard product. App.: Purple red</p> <p>pH (25°C): 7.2 - 7.6 Conc. of use: 41.5g/l Preparation: Dissolve 41.5 gr on 1 L with heat and boil for 1 min until complete dissolution.</p>	ABVG-IEP-500	 500 g	
Sterilize at 118°C for 15 min. (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C			

## Violet red bile w/ lactose agar (VRBL)

labkem



TARIC code: 13023100

Violet red bile w/ lactose agar (VRBL) <b>BAC</b> ISO-4832	reference	packaging	price
<p>Homogeneous, free flowing and beige-reddish. If any changes physically, discard product.</p> <p>App.: Purple red pH (25°C): 7.2 - 7.6 Conc. of use: 41.5g/l Preparation:</p> <p>Dissolve 41.5 gr on 1 L with heat and boil for 1 min until complete dissolution. (DO NOT AUTOCLAVE)</p>	ABVL-001-500	 500 g	
Once open. avoid hydration Storage temp.: 2 - 25°C			

**Xylose llysine desoxycholate agar (XLD)**

labkem


TARIC code: 13023100

Xylose llysine desoxycholate agar (XLD) <b>BAC</b> Ph. Eur			reference	packaging	price
Homogeneous, free flowing and pink. If any changes physically, discard product. App.: Reddish-orange pH (25°C): 7.2 - 7.6	Conc. of use: 55.2g/l Preparation: Dissolve 55.2 gr on 1 L with heat and boil for 1 min until complete dissolution.	(DO NOT AUTOCLAVE) (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C	AGXL-0EP-500	 500 g	
Xylose llysine desoxycholate agar (XLD) <b>BAC</b> ISO-6579, ISO-19250, ISO-21567			reference	packaging	price
Homogeneous, free flowing and pink. If any changes physically, discard product. App.: Reddish-orange pH (25°C): 7.2 - 7.6	Conc. of use: 54g/l Preparation: Dissolve 54 gr on 1 L with heat and boil for 1 min until complete dissolution.	(DO NOT AUTOCLAVE) (AVOID OVERHEATING) Once open. avoid hydration Storage temp.: 2 - 25°C	AGXL-001-500	 500 g	

**Yeast extract**

labkem

CAS: 8013-01-2 EC: 232-387-9 TARIC code: 21021031

Yeast extract <b>BAC</b>			reference	packaging	price
Homogeneous, free flowing and beige. If any changes physically, discard product. Total N (on dry) > 10% Amino N (on dry) > 4.5% Moisture < 5%	NaCl < 0.5% pH: 6.0 - 7.2 Total Plate Counts < 5000cfu/g Colif. Bact.: Negative Pathogen test: Negative Yeast and molds < 50cfu/g	Once open. avoid hydration Storage temp.: 2 - 25°C	YEEX-0MB-500	 500 g	

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)

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## Stains, dyes and reagents for microbiology and pathology

## Alcian Blue 8GX

labkem

CAS: 33864-99-2 MW: 1298,86 EC: 251-705-7 TARIC code: 32041900




Alcian Blue 8GX (C.I. 74240) <b>MIC</b>	reference	packaging	price
Assay 98.5 - 101% Insol. matter < 0.01% pH (5%, 20°C) 2.5 - 3.5	Cl- < 0.001% Ca + K + Na < 0.03% Fe < 0.004%	Heavy metals (Pb) < 0.0005% SO <sub>4</sub> < 0.005%	ABL-00P-010
		 10 g	

## Aniline blue, C.I. 42755

labkem

CAS: 28631-66-5 MW: 737,72 EC: 249-113-9 TARIC code: 32041900




Aniline blue (C.I. 42755) water soluble <b>MIC</b>	reference	packaging	price
App.: Brownish-purple crystalline powder With metallic lustre Abs. max (0.005) mol/L HCl: 595 - 610nm	Used with fuchsin acid as Mallory's connective tissue stain visualizes chromosomes and cellulose walls in plants	ANBL-00D-025	 25 g

## Brilliant green, C.I. 42040

labkem

CAS: 633-03-4 MW: 482,64 EC: 211-190-1 TARIC code: 32041300




Brilliant green (C.I. 42040) <b>MIC</b>	reference	packaging	price
App. Green to green-yellow crystalline powder Assay > 95% Loss on dry. < 5% Lambda max. < 625nm	Absorption 0.94 - 1.14 Colour: yellow (pH 0.0) - pH 2.6 (green) For photometric determination of Antimony, for Bacteriology and Microscopy	BRIL-00D-025	 25 g

## Carmine, C.I. 75470

labkem

CAS: 1390-65-4 MW: 492,38 EC: 215-724-4 TARIC code: 32030090



Carmine (C.I. 75470) <b>MIC</b>	reference	packaging	price
App. Dark pink to red powder Assay 50 - 55% Loss on dry. < 20%	Lambda max. (NaOH): 531 - 563nm Ash < 12% As < 0.0001%	Pb < 0.001% Suitable for use in Orth's Lithium carminic technique.	CARM-00D-025
		 25 g	

## Congo red, (C.I. 22120) see p. 284

## Crystal violet, C.I. 42535+42555


labkem

CAS: 548-62-9 MW: 407,99 EC: 208-953-6 TARIC code: 32041300



ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077



Crystal violet (C.I. 42535+42555) <b>MIC</b>	reference	packaging	price
App. Solid, green and odorless Assay > 90% Loss on dry. < 10%	TLC test 8,0 - 10,0 Coef. max. of abs. (P*15 nm) 0.98 - 1.25	GENT-V0D-025	 25 g

## Eosin yellowish, C.I. 45380

labkem

CAS: 17372-87-1 MW: 691,86 EC: 241-409-6 TARIC code: 32041200



Eosin yellowish (C.I. 45380) <b>MIC</b>	reference	packaging	price
Assay > 90% Abs. max. 515 - 518nm Suit. for microb. Passes test	Reag. for spectr. det. of Ag Cytoplasmic, counterstain for haematoxylin constituent for Wright's or modified Nocht's Stain	EOYE-00D-025	 25 g





## Fluorescein sodium, C.I. 45350

labkem

CAS: 518-47-8 MW: 376,3 EC: 208-253-0 TARIC code: 32049000





Fluorescein sodium (C.I. 45350) <b>MIC</b> , BP	reference	packaging	price
Appearance/colour Dark brownish-red - dark orange red powder Assay 90 - 102% Loss on dry. (135 °C) < 17%	FLUO-00D-025	 25 g	
	FLUO-00D-100	 100 g	

## Formaldehyde, diluted solution stabilized with methanol

labkem

CAS: 50-00-0 MW: 30,03 EC: 200-001-8 TARIC code: 29121100





Formaldehyde, solution 3.7-4.0% <b>HIS</b> buffered pH=7	reference	packaging	price
Assay 3.7 - 4% Content of MeOH 1 - 1.5% w/v pH 6.8 - 7.2	FORM-D0P-10K	 10 L	
Pack of 24 vials of 120 ml for tissue samples pre-filled with 75 ml of dilute formaldehyde stabilized with methanol	FORM-D0P-120	 24x120 ml	

## Fuchsin acid, C.I. 42685

labkem

CAS: 3244-88-0 MW: 585,54 EC: 221-816-6 TARIC code: 32041200




Fuchsin acid (C.I. 42685) <b>MIC</b>	reference	packaging	price
Appearance/colour Dark-Green Crystalline Powder Loss on dry. (110 °C) < 10% Assay > 80% Lambda max. (NaOH) > 549nm Sol. 0.1% in 50% EtOH Clear solution	FUCH-A0D-010	 10 g	
	FUCH-A0D-025	 25 g	

## Fuchsin basic, C.I. 42510

labkem

CAS: 632-99-5 MW: 337,85 EC: 211-189-6 TARIC code: 32041300



Fuchsin basic (C.I. 42510) <b>MIC</b>	reference	packaging	price
Assay > 85% App. Dark green coloured powder Loss on dry. (135 °C) < 15%	FUCH-B0D-025	 25 g	


## Fuchsin basic, carbol solution according to Ziehl

labkem

TARIC code: 32041300

ADR: 3(6.1) FT1 III UN 1992 IMDG: 3(6.1) III UN 1992 IATA: 3(6.1) III UN 1992




Fuchsin basic, carbol solution according to Ziehl <b>MIC</b>	reference	packaging	price
Abs. max. 544 - 548nm Abs. (A,%; 1cm; $\lambda_{max}$ : 1:2000) 0.38 - 0.6	FUCH-BZD-500	 500 ml	

## Giemsa's stain

labkem

CAS: 51811-82-6 EC: 257-438-2 TARIC code: 32041900



Giemsa's stain <b>MIC</b>	reference	packaging	price
App. Dark green coloured powder Abs. max. $\lambda_{max}$ (MeOH) 647 - 653nm Abs. max. $\lambda_{2max}$ (MeOH) 520 - 526nm	EOMB-00D-100	 100 g	

## Giemsa stain solution

labkem

CAS: 51811-82-6 EC: 257-438-2 TARIC code: 32041900

ADR: 3 FT1 II UN 1230 IMDG: 3 II UN 1230 IATA: 3 II UN 1230



Giemsa's azur eosin methylene blue solution <b>MIC</b>	reference	packaging	price
App. Blue coloured solution Abs. max. $\lambda_{1\max}$ 630 - 655nm Abs. max. $\lambda_{2\max}$ 520 - 525nm	EOMB-MSD-1K0	1 L	

## Hematoxylin, C.I. 75290

labkem

CAS: 517-28-2 MW: 302,3 EC: 208-237-3 TARIC code: 32030010



Hematoxylin 80% (C.I. 75290) <b>MIC</b>	reference	packaging	price
Assay > 75% App. brown powder Loss on dry. < 8% General tissue stain for animal histology by Weigerts Mayer's acid hemalum Heidenhain's and Harris technique on paraffin sections	HEMA-00D-025	25 g	

## Indigo carmine (C.I. 73015) see p. 284

## Lactophenol (cotton blue) solution

labkem

TARIC code: 38220000

ADR: 6.1 T1 II UN 2821 IMDG: 6.1 II UN 2821 IATA: 6.1 II UN 2821



Lactophenol (cotton blue) solution <b>MIC</b>	reference	packaging	price
Suit. for microb. Passes test Solub. in $\text{H}_2\text{O}$ (20°C) Passes test Blue sol. for staining fungi	LACP-00D-100	100 ml	

## Light green SF yellowish (C.I. 42095)

labkem

CAS: 5141-20-8 MW: 792,86 EC: 225-906-5 TARIC code: 32041900



Light green SF yellowish 65% (C.I. 42095) <b>MIC</b>	reference	packaging	price
Assay > 65% App. Dark violet powder Solub. (1 mg/mL $\text{H}_2\text{O}$ ) Passes test Abs. max. $\lambda_{2\max}$ (520 - 528nm) Sp. abs. ( $A_1\%$ ; 1cm; $\lambda_{2\max}$ (dried subst.)) 600 - 800 Loss on dry. (110 °C) < 12% For electrophoresis and histology	LIGR-00P-025	25 g	

## May-Grünwald's stain

labkem

CAS: 68988-92-1 TARIC code: 32041900



May-Grünwald's stain <b>MIC</b>	reference	packaging	price
Abs. max. $\lambda_{1\max}$ 648 - 653nm Abs. max. $\lambda_{2\max}$ 520 - 528nm Sp. abs. ( $A_1\%$ ; 1cm; $\lambda_{1\max}$ (dried subst.)) 1100 - 1300 Sp. abs. ( $A_1\%$ ; 1cm; $\lambda_{2\max}$ (dried subst.)) 600 - 800 Loss on dry. (105 °C) < 10%	EOBL-M0D-025	25 g	

## May-Grünwald's solution modified for microscopy

labkem

TARIC code: 32041900

ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



May-Grünwald's solution eosine-methylene blue modified <b>MIC</b>	reference	packaging	price
Abs. max. $\lambda_1$ (1:250 MeOH) 645 - 651nm Abs. max. $\lambda_2$ (1:250 MeOH) 520 - 528nm Abs. ( $A_1\%$ ; $\lambda_{1\max}$ ; 1:250 MeOH) 0.5 - 0.8 Abs. ( $A_1\%$ ; $\lambda_{2\max}$ ; 1:250 MeOH) 0.3 - 0.4 Suit. for microb. Passes test	EOBL-MSD-500	500 ml	

**Methyl orange (C.I. 13025)** see p. 284

**Methyl red (C.I. 13020)** see p. 285



**Methylene blue (C.I. 52015)** see p. 285

**Neutral red, C.I. 50040**

labkem

CAS: 553-24-2 MW: 288.78 EC: 209-035-8 TARIC code: 32041300

$C_{15}H_{17}ClN_4$


Neutral red (C.I. 50040) <b>MIC</b>	reference	packaging	price
App. sol. 0.1% (50%EtOH) Clear solution Dye content > 60% Abs. max. (50% EtOH) 539 - 544nm Loss on dry. < 12% Transition range pH 6.8 - 8	NEUR-00D-010	 10 g	
violet red - orange yellow Suit. for microb. Passes test Suit. for microb. Passes test Supervital staining of living blood cells.	NEUR-00D-025	 25 g	

**Orange G, C.I. 16230**

labkem

CAS: 1936-15-8 MW: 452.37 EC: 217-705-6 TARIC code: 32041200

$C_{16}H_{10}N_2Na_2O_7S_2$


Orange G (C.I. 16230) <b>MIC</b>	reference	packaging	price
Assay > 80 Dye content > 80% Abs. max. (H <sub>2</sub> O) 476 - 481nm	ORAN-G0D-025	 25 g	

**Orcein**

labkem

CAS: 1400-62-0 MW: 500,51 EC: 215-750-6 TARIC code: 32030010

$C_{28}H_{24}N_2O_7$

Orcein <b>MIC</b>	reference	packaging	price
App. Black coloured powder Abs. max. (NaOH 0.01 Mol/L) 575 - 582nm	ORCE-00D-005	 5 g	
Absorptivity > 500 Loss on dry. < 7%			

**Panoptic No. 1 for blood smear staining or medullary smear staining**

labkem

TARIC code: 32041400

ADR: 3(6.1) FT1 II UN 1992 IMDG: 3(6.1) II UN 1992 IATA: 3(6.1) II UN 1992




Panoptic No. 1 Green Fixative <b>MIC</b>	reference	packaging	price
App. Bluish Blood smear staining or medullary smear staining.	PANO-GF1-1K0	 1 L	

**Panoptic No. 2 for blood smear staining or medullary smear staining**

labkem

TARIC code: 32041400

Panoptic No. 2 Fast Eosin <b>MIC</b>	reference	packaging	price
Appearance Reddish Blood smear staining or medullary smear staining.	PANO-FE2-1K0	 1 L	

**Panoptic No. 3 for blood smear staining or medullary smear staining**

labkem



TARIC code: 32041400

Panoptic No. 3 Fast Blue <b>MIC</b>	reference	packaging	price
App. Bluish without visible particles Blood smear staining or medullary smear staining.	PANO-FB3-1K0	 1 L	

## Paraffin, pellets, for tissue Embedding

labkem

CAS: 8002-74-2 EC: 232-315-6 TARIC code: 27122090


Paraffin, pellets, melting point 56 - 58 °C, <b>MIC</b>	reference	packaging	price
Melt. range 56 - 58°C Solidif. point 56 - 58°C	PARF-TEB-1K0	 1 Kg	
Penetr. (25°C) 1/10mm 16 Oil content 0%			Saybolt color > 30
Paraffin + DMSO, pellets, melting point 56 - 58 °C, <b>MIC</b>	reference	packaging	price
Melt. range 56 - 58°C Solidif. point : 56 - 58°C	PARD-TEB-1K0	 1 Kg	
Permeation 77F < 12mg/g Oil content < 0.15%			Saybolt color < 30 Storage temp. 15 - 25°C

## Sudan III, C.I. 26100

labkem

CAS: 85-86-9 MW: 352,4 EC: 201-638-4 TARIC code: 32041900




Sudan III (C.I. 26100) <b>MIC</b>	reference	packaging	price
Assay > 85% Abs. max. 508 - 512nm	SUDN-30D-025	 25 g	
			Fat stain on frozen sections for formalin fixed tissue used with light green in plant histology

## Tartrazine for microscopy, C.I. 19140

labkem

CAS: 1934-21-0 MW: 534,4 TARIC code: 32041200





Tartrazine (C.I. 19140) <b>MIC</b>	reference	packaging	price
Abs. max. (H <sub>2</sub> O) 421 - 427nm Sp. abs. (A <sub>1</sub> %; 1cm; λ <sub>max</sub> ) < 400	TART-00D-100	 100 g	
			Loss on dry. < 15%

## Toluidine blue, C.I. 52040

labkem

CAS: 92-31-9 MW: 305,82 EC: 202-146-2 TARIC code: 32041300



Toluidine blue (C.I. 52040) <b>MIC</b>	reference	packaging	price
Assay > 50% Abs. max. (H <sub>2</sub> O) 620 - 638nm	TLBL-00D-005	 5 g	
	TLBL-00D-025	 25 g	
			Loss on dry. (110 °C) < 8%


## Wright's stain

labkem

TARIC code: 32041900

ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



Wright's stain <b>MIC</b>	reference	packaging	price
App. Greenish black/blue cryst. powder Abs. max. λ <sub>1max</sub> (MeOH) 640 - 648nm Abs. max. λ <sub>2max</sub> (MeOH) 522 - 525nm Sp. Abs. (A <sub>1</sub> ; 1cm; λ <sub>1max</sub> ) > 1100 Sp. Abs. (A <sub>2</sub> ; 1cm; λ <sub>2max</sub> ) > 650	WRST-00P-025	 25 g	
			Suit. for microscopy passes test Loss on Dry. (110°C) < 10% Certified for use in staining blood and bone marrow films also for staining malarial parasites in blood f

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)

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### "Biological microscope, MOTIC SFC-100 series

Monocular head, inclined at 45 degrees and rotating 360°. Widefield WF10X/18mm eyepiece with built-in pointer. Achromatic DIN objectives 4X, 10X, 40X S. Coarse and fine focusing adjustment. 0.65NA fixed condenser. Iris diaphragm with filter holder. LED 20 mA, 3.5 V, 70 mW illumination, with intensity control. Cover included. Main supply 100-240 V (CE), batteries and charger included. 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM01-L01-001	microscope SFC-100 F LED (LED illumination)	1	
Accessories and spare parts			
BMAC-111-001	micrometer eyepiece WF 10X/18 mm, 100 divisions in 10 mm	1	
BMAC-069-001	achromatic objective 60X/0.85/S	1	
BMAC-018-001	achromatic objective 100X/1.25/S-oil	1	

### "Digital biological microscope, MOTIC DM-111 series

Monocular head with built-in digital camera CMOS 1/4" chip 800 x 600 pixels with USB 2.0 output. Widefield WF10X/18 mm eyepiece with built-in pointer. Quadruple revolving nosepiece with achromatic DIN objectives 4X, 10X, 40X S and 100X S-Oil. Coarse and fine focusing system with tension adjustment. Focusable 1.25 N.A. Abbe condenser. Built-in coaxial mechanical stage with slide holder. Rechargeable LED illumination with intensity control. Dust cover, immersion oil, calibration slide, charger and batteries included. 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM21-LD1-001	digital microscope DM-111	1	

### "Biological microscopes, MOTIC 18 LED and 28 LED Cordless series

Monocular, binocular or trinocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/18 mm eyepiece. Quadruple nosepiece with achromatic EA objectives 4X, 10X and 40X S. Separate (1802 model) or coaxial (2820 & 2823 models) coarse and fine focusing system. Built in low position coaxial mechanical stage. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. LED 20 mA, 3.5 V, 70 mW illumination with intensity control. Dust cover included. Main supply 100-240 V (CE), batteries and charger included. 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM15-L01-001	microscope 1802 LED (monocular head)	1	
BM16-L02-001	microscope 2820 LED (binocular head)	1	
BM16-L03-001	microscope 2823 LED (trinocular head)	1	
Accessories and spare parts			
BMAC-068-001	widefield eyepiece WF 15X/12 mm	1	
BMAC-112-001	micrometer eyepiece WF 10X/18 mm, 100 divisions in 10 mm	1	
BMAC-070-001	achromatic objective EA 60X/0.85/S	1	
BMAC-019-001	achromatic objective EA 100X/1.25/S-oil	1	
BMAC-113-001	camera adapter 0.5X C-type (for 2823 LED model)	1	

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**Motic****“Biological microscope MOTIC B3 Phase Series with Phase Contrast System**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield WF10X/20 mm eyepieces. Reversed quintuple revolving nosepiece with click stops and Plan achromatic objectives PL 4X. Phase Contrast Plane Objectives: PL Ph 10X/0.25, 20X/0.40, 40X/0.65/S, 100X/1.25/S-Oil. Coaxial coarse and fine focusing system with tension adjustment. Built-in low position coaxial mechanical stage with sample holder. Phase contrast 5 position Abbe condenser N.A. 1.25 (BF & PH 10X, 20X, 40X, 100X). Telescopic centering eyepiece. 12V/20W Halogen Koehler illumination with intensity control. Universal supply 100-240 V (CE). Blue, yellow and green filters, dust cover and immersion oil. 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BMPH-H02-001	microscope, B3 220 Phase, binocular head	1	
BMPH-H03-001	microscope, B3 223 Phase, trinocular head	1	

**lbx****Biological microscope, LBX 100 LED series**

Monocular or binocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/18 mm eyepiece. Quadruple nosepiece with achromatic DIN objectives 4X, 10X, 40X S and 100X S-Oil. Coarse and fine focusing adjustment. Focusable 1.25 NA Abbe condenser. Built in low position coaxial mechanical stage. Iris diaphragm with filter holder. LED illumination with intensity control. Main supply 110-240 V (CE). 2 years warranty on optical and mechanical components

reference	description	pcs/pack	price/pack
BM50-L01-001	microscope LBX100 LED (monocular head)	1	
BM50-L02-001	microscope LBX100 LED (binocular head)	1	
Accessories and spare parts			
BMAC-068-001	widefield eyepiece WF 15X/12 mm	1	

**Motic****“Biological microscope, MOTIC B1 Elite series**

Monocular, binocular or trinocular head (according to model), 45° inclined and 360° rotating. Widefield WF10X/20 mm eyepieces. Quadruple revolving nosepiece with achromatic Semi-Plan SP objectives 4X, 10X, 40X S and 100X S-Oil. Coaxial coarse and fine focusing system. Low position coaxial mechanical stage. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. LED illumination 3W with intensity control. Dust cover and immersion oil included. Main supply 220-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM03-L01-001	microscope B1-211E SP (monocular head)	1	
BM03-L02-001	microscope B1-220E SP (binocular head)	1	
BM03-L03-001	microscope B1-223E SP (trinocular head)	1	
Accessories and spare parts			
BMAC-068-001	widefield eyepiece WF 15X/12 mm	1	
BMAC-194-001	Semi-Plan objective SP60X/0,85/S	1	
BMAC-114-001	plan phase objective PL PH 10X/0.25	1	
BMAC-115-001	plan phase objective PL PH 40X/0.65/S	1	
BMAC-116-001	10X phase contrast attachment	1	
BMAC-117-001	40X phase contrast attachment	1	
BMAC-118-001	phase centering telescope, Ø23.2 mm	1	
BMAC-119-001	darkfield attachment (max. 400X)	1	
BMAC-083-001	0.5X C-mount camera adapter for 1/3" chip sensors	1	
BMAC-084-001	0.6X C-mount camera adapter for 1/2" chip sensors	1	





### “Petrographic microscope, MOTIC PM-1805 series

Monocular or binocular head 45° inclined and 360° rotating. Widefield WF 10X/18 mm eyepieces with cross reticle. Reversed quadruple revolving nosepiece with achromatic objectives EA 4X, 10X and 40X S. Coaxial coarse and fine focusing adjustment. Working table rotating from 0–360° with graduation to 1°. Focusable 1.25 N.A. Abbe condenser. Iris diaphragm with filter holder. Includes a swing in/out analyser and polarizer. Halogen illumination 12V/20W with intensity control. Dust cover included. Supply 220-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
PM01-H01-001	petrographic microscope PM-1805 (monocular head)	1	
PM01-H02-001	petrographic microscope PM-1820 (binocular head)	1	

### “High-end biological microscope, MOTIC BA-210 LED and BA-210 LED Digital series

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. For digital model only: binocular head, Siedentopf type, 30° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield N-WF10X/20 mm eyepieces. Reversed quadruple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) EC Plan 4X, EC Plan 10X, EC Plan 40X Spring and EC Plan 100X Spring-Oil. Coaxial coarse and fine focusing with tension adjustment. Low position coaxial mechanical stage with controls at right side. Focusable 1.25 N.A. Abbe condenser with iris diaphragm and slot. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Digital model includes calibration slide and Motic Images Plus 2.0 Software for PC and Mac. LED illumination 3W with intensity control. Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM11-L12-001	microscope BA-210 LED (binocular head)	1	
BM11-L13-001	microscope BA-210 LED (trinocular head)	1	
BM11-LD2-001	digital microscope BA-210 LED (binocular head)	1	
Accessories and spare parts			
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1	
BMAC-195-001	CCIS EC Plan achromatic objective 20X/0,40	1	
BMAC-196-001	CCIS EC Plan achromatic objective 60X/0,80 S	1	
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1	
Accessories for contrast phase			
BMAC-124-001	CCIS plan phase objective (+) EC-H Ph10X/0.25	1	
BMAC-126-001	CCIS plan phase objective (+) EC-H Ph40X/0.65/S	1	
BMAC-082-001	3-position phase slider for PH10X, PH40X, BF	1	
BMAC-088-001	contrast phase slider PH1 (for objective Ph10X)	1	
BMAC-089-001	contract phase slider PH2 (for objective Ph40X)	1	
BMAC-090-001	phase centering telescope	1	
BMAC-091-001	dark field slider (10X-40X)	1	
Accessories for polarization			
BMAC-122-001	simple add on analyzer	1	
BMAC-123-001	simple add on polarizer	1	

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**Motic****“High-end biological microscope, MOTIC BA-310 LED and BA-310 LED Digital series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. For digital model only: binocular head, Siedentopf type, 30° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield high eyepoint N-WF10X/20 mm eyepieces with dioptic adjustment in both eyepieces. Reversed quintuple revolving nosepiece with CCIS Plan Achromatic objectives (Colour Corrected Infinity System) EC Plan 4X, EC Plan 10X, EC Plan 40X S and EC Plan 100X S-Oil. Coaxial coarse and fine focusing with tension adjustment. Low position coaxial mechanical stage with controls at right side. Focusable 1.25 N.A. Abbe condenser with iris diaphragm and slot. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Digital model includes calibration slide and Motic Images Plus 2.0 Software for PC and Mac. Koehler LED illumination 3W with intensity control. Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM17-L12-001	microscope, BA-310 LED, binocular head	1	
BM17-L13-001	microscope, BA-310 LED, trinocular head	1	
BM17-LD2-001	microscope, BA-310 LED Digital, binocular head	1	
Accessories and spare parts			
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1	
BMAC-195-001	CCIS EC Plan achromatic objective 20X/0,40	1	
BMAC-196-001	CCIS EC Plan achromatic objective 60X/0,80 S	1	
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1	
Accessories for contrast phase			
BMAC-124-001	CCIS plan phase objective (+) EC-H Ph10X/0.25	1	
BMAC-125-001	CCIS plan phase objective (+) EC-H Ph20X/0.45	1	
BMAC-126-001	CCIS plan phase objective (+) EC-H Ph40X/0.65/S	1	
BMAC-127-001	CCIS plan phase objective (+) EC-H Ph100X/1.25/S-Oil	1	
BMAC-128-001	5 position (BF, DF, PH1, PH2, PH3) turret condenser	1	
BMAC-090-001	phase centering telescope	1	
Accessories for polarization			
BMAC-129-001	simple add on analyzer	1	
BMAC-123-001	simple add on polarizer	1	

**Motic****“High-end biological microscope, MOTIC BA-410E series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield high eyepoint WFPL10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Reversed sextuple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) EC-H. Plan 4X, 10X, 40X S and 100X S-Oil. Coaxial coarse and fine focusing with tension adjustment. Rackless low position coaxial mechanical stage with controls at right side and sample holder, ceramic insert. Achromat swing-out condenser N.A. 0.90 with iris diaphragm. Blue filter Ø45 mm, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Koehler halogen illumination 12V/50W with external lamp house and intensity control. Auto-OFF and Light Memory function. Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM28-H02-001	biologic microscope, BA-410E, binocular head	1	
BM28-H03-001	biologic microscope, BA-410E, trinocular head	1	
Accessories and spare parts			
BMAC-094-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1	
BMAC-173-001	quartz halogen lamp 12V/50W	1	
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1	

### “Professional petrographic microscope MOTIC BA-310 POL

Binocular head or trinocular head Siedentopf type, 30° inclined (Light split 100:0/20:80). Widefield high eyepoint N-WFPL10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Crosshair reticle on one eyepiece. Intermediate tube with rotatable analyzer 360° and Bertrand lens. Empty insertion plate. Reversed quadruple revolving nosepiece, single positions centrabale. CCIS EC Plan Strain-free objectives EC PL 4X, 10X, 40X S, 60X S. Coaxial coarse and fine focusing with tension adjustment. 360° circular rotating stage. Achromat swing-out condenser N.A. 0.90/0.13 (strain-free) with iris diaphragm. Rotatable polarizer, fixed on condenser carrier. Koehler illumination quartz halogen 6V/30W with intensity control. Universal supply 100-240 V (CE). 45mm blue filter, power cord, Allen hexagonal key, vinyl dust cover. 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM30-H02-001	microscope MOTIC BA-310 POL, binocular	1	
BM30-H03-001	petrographic microscope MOTIC BA-310 POL, trinocular (20:80)	1	

### “Metallurgical, materials & microstructures microscope , MOTIC BA310 MET and BA310MET-T

Two models are available: BA310 MET (Reflected light system) and BA310MET-T (Reflected & Transmitted light system). Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield high eyepoint WFPL10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Reversed quintuple revolving nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) LM PL 5X, 10X, 20X, 50X. Coaxial coarse and fine focusing system. Mechanical stage 180 x 140 mm, hard coated with built-in low position coaxial stage control. Focusable 1.25 N.A. Abbe condenser with iris diaphragm (model BA310 MET-T). Blue filter Ø45 mm, dust cover, hexagonal Allen key. Epi-illuminator 12V/50W quartz halogen with integrated field and aperture diaphragms and external lamp house. Transmitted Koehler illumination quartz halogen with 6V/30W with intensity control (model BA310 MET-T). Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
MM01-H02-001	microscope BA310 MET (binocular head)	1	
MM01-H03-001	microscope BA310 MET (trinocular head)	1	
MM02-H02-001	microscope BA310 MET-T (binocular head) - Reflected & transmitted light	1	
MM02-H03-001	microscope BA310 MET-T (trinocular head) - Reflected & transmitted light	1	
Accessories and spare parts			
BMAC-174-001	slideglass holder for BA310 MET-T	1	
BMAC-175-001	CCIS LM Plan achromatic objective LM PL 100X/0.8 (WD=2mm)	1	
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2" chip sensors	1	
Accessories for polarization			
BMAC-177-001	simple add on analyzer	1	
BMAC-178-001	simple add on polarizer	1	

### Lens and optical elements cleaning tissue

In packs of 100 sheets

reference	l (mm)	w (mm)	weight/surface	pcs/pack	price/pack
LENS-100-100	100	150	11 g/m <sup>2</sup>	100	

### NEW Immersion oil for microscopy

To be placed between the surface of the sample and the lens of the microscope to eliminate the deflection of the beam of light and improve the effectiveness of the lens considerably. Refractive index (nD) at 25°C between 1.472 and 1.480 and viscosity at 40°C between 99 and 120 cSt

reference	type	package	price/pack
MOIL-T02-100	immersion oil	 100 ml	

### Motic



### Motic



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### labkem



**Motic****“High-end biological inverted microscope, MOTIC AE-2000 series**

Binocular or trinocular head (according to model) Siedentopf type, 30° inclined and 360° rotating. Widefield high eyepoint N-WF10X/20 mm eyepieces with dioptic adjustment and protectors in both eyepieces. Side facing quadruple nosepiece with CCIS Plan achromatic objectives (Colour Corrected Infinity System) PL4X and CCIS Plan Achromatic Phase objectives PL Ph10X (Ph1) and LWD PL Ph20X (Ph 1). ELWD condenser N.A. 0.30. Phase slider Ph1, BF, Ph2Phase centering telescope. Plain stage with metal and glass stage inserts. Ø 45 mm blue, green interference and neutral density filters with filter slider, dust cover, hexagonal Allen key and immersion oil 5 ml bottle included. Quartz halogen illumination 6V/30W with intensity control and sleeping mode. Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM31-H02-001	biologic microscope, AE2000, binocular head	1	
BM31-H03-001	biologic microscope, AE2000, trinocular head	1	
Accessories and spare parts			
BMAC-130-001	micrometer reticle, 100 divisions in 10 mm, to be inserted in original eyepiece	1	
BMAC-159-001	CCIS® Plan achromatic Phase objective LWD PL Ph 40X/0.5 (WD=3.0mm) Ph1	1	
BMAC-081-001	0.5X C-mount camera adapter for 1/3" and 1/2"	1	

**Motic****“Stereomicroscope, MOTIC ST-30C series**

Binocular head 45° inclined. Widefield WF10X/20mm eyepieces. Turret-type magnification changer with 2X and 4X objectives. Incident and transmitted (according to model) tungsten 12V/10W or LED 20 mA, 3.5V, 70 mW illumination. Dust cover included. Supply 220-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
SM01-TT2-001	stereomicroscope ST-30C-12LOO (tungsten illumination)	1	
SM01-LL2-001	stereomicroscope ST-30C-6LED Cordless (LED illumination)	1	
Accessories and spare parts			
BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1	

**Motic****“Stereomicroscope, MOTIC SFC-11 series**

Binocular head 45° inclined 360° rotating. Widefield WF10X/20 mm eyepieces. Turret-type magnification changer (2X, 4X). 95 mm working distance. 2LBB: base with fixed arm and incident and transmitted illumination. Incident and transmitted tungsten 12V/10W illumination. Dust cover included. Supply 220-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
SM02-TT2-001	stereo microscope SFC-11C-2LBB (objectives 2X, 4X)	1	
Accessories and spare parts			
BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1	

### "Stereomicroscope, MOTIC SMZ-140 series

Greenough zoom optical system. Binocular or trinocular head (according to model) 45° inclined and 360° rotating. Widefield WF10X/20 mm eyepieces. Zoom ratio 4:1 and magnification range 1X-4X. 95 mm working distance. N2GG: base stand with pole and head holder and incident and transmitted illumination. Incident halogen 12V/15W illumination with intensity control and transmitted halogen 12V/10W illumination with intensity control. Dust cover included. Supply 220-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
SM05-HH2-001	stereomicroscope SMZ-140-N2GG (binocular head)	1	
SM05-HH3-001	stereomicroscope SMZ-143-N2GG (trinocular head)	1	
Accessories and spare parts			
BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1	
BMAC-104-001	0.4X C-mount camera adapter for 1/4" and 1/3" chip sensors	1	
BMAC-136-001	0.5X C-mount camera adapter for 1/2" and 2/3" chip sensors	1	
BMAC-135-001	2X adapter for SLR	1	

### "Digital stereomicroscope, MOTIC DM-143-FBGG series

Greenough zoom optical system. Binocular head 45° inclined with built-in digital camera CMOS 1/2" chip 2048 x 1536 pixels with USB 2.0 output. Widefield WF10X/20 mm eyepieces. Zoom ratio 4:1 and magnification range 1X-4X. 80 mm working distance. FBGG: pole type stand with large working base. Coarse focusing system with tension adjustment. Incident and transmitted halogen 12V/10W illumination with intensity control. Dust cover and calibration slide included. Motic Images Plus 2.0 Software for PC and Mac. Universal supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
SM11-HH2-001	digital stereomicroscope DM-143-FBGG-C	1	
Accessories and spare parts			
BMAC-132-001	micrometer eyepiece WF 10X/20 mm, 100 divisions in 10 mm	1	

### "Stereomicroscope, MOTIC SMZ-168 series

Greenough zoom optical system. Binocular or trinocular head (according to model) 35° inclined and 360° rotating. Widefield WF10X/23 mm eyepieces. Zoom ratio 6.7:1 and magnification range 0.75X-5X. 113 mm working distance. Base (according to model): 2113 (without illumination) or 2111 (with double halogen 12V/10W illumination with intensity control). Coarse focusing system with tension adjustment. Dust cover included. Supply 100-240 V (CE). 5 years warranty on optical and mechanical components. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
SM07-002-001	SMZ-168-BP (binocular head / without illumination)	1	
SM07-HH2-001	SMZ-168-BL (binocular head / with illumination)	1	
SM07-003-001	SMZ-168-TP (trinocular head / without illumination)	1	
SM07-HH3-001	SMZ-168-TL (trinocular head / with illumination)	1	
Accessories and spare parts			
BMAC-092-001	micrometer eyepiece WF 10X/23 mm, 140 divisions in 14 mm	1	
BMAC-137-001	0.35X C-mount camera adapter for 1/4" chip sensors	1	
BMAC-078-001	0.45X C-mount camera adapter for 1/3" chip sensors	1	
BMAC-110-001	0.65X C-mount camera adapter for 1/2" and 2/3" chip sensors	1	

**Motic**



**Motic**



**Motic**



**Motic****“Optical fibre illumination system MOTIC MLC-150**

Local / remote commuter with intensity control. Intensity remote control (2 m). LED reading of colour temperature. Universal supply 100-240 V (CE). 2 years warranty. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
BMAC-065-001	MLC-150 optical fibre illuminator	1	
Accessories and spare parts			
BMAC-138-001	21 V/150 W halogen bulb for MLC-150	1	
BMAC-139-001	blue filter for MLC-150	1	

**Motic****“Light guides for illumination system MLC-150**

Gooseneck 1 or 2-arms light guide in optical fibre. 0.5 m length and 200 mm bending radius. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
BMAC-066-001	gooseneck 1-arm light guide	1	
BMAC-067-001	gooseneck bifurcated light guide	1	

**Motic****“MOTICAM series digital cameras with USB output**

Attachable C-mount digital camera for microscopy with USB 2.0 output . Focusable macro lens. Eyepiece couplers for connection to the most common microscope eyepieces (of any brand). Calibration slide included. Motic Images Plus 2.0 Software for image capture and edition with Windows (multilanguages software, English included) and Mac (only in English). 2 years warranty. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
CM05-005-001	digital camera MOTICAM 1 (CMOS 1/4" sensor, 800x600 pixels)	1	
CM05-020-001	digital camera MOTICAM 2 (CMOS 1/3" sensor, 2.0 Mpixels)	1	
CM05-P30-001	digital camera MOTICAM 3+ (CMOS 1/2" sensor, 3.0 Mpixels)	1	
CM05-P50-001	digital camera MOTICAM 5+ (CMOS 1/2.5" sensor, 5.0 Mpixels)	1	
CM05-10P-001	digital camera MOTICAM 10+ (CMOS 1/2.5" sensor, 10.0 Mpixels)	1	

**Motic****“MOTICAM 1080 FullHD camera and MOTICAM 1080 BMH with LCD 11" display**

FullHD camera for microscopy with HDMI (1080p) output, USB output and 1920x108 pixels resolution in real time. Images can be captured directly onto an SD card at 8.0 Mp resolution. Screen: LCD 11,6" Full HD (available only for MOTICAM 1080 BMH). Software On Board (allows you to control the camera parameters by connecting a mouse to the USB). Eyepiece couplers for connection to the most common microscope eyepieces of any brand (available only for MOTICAM 1080). Focusable macro lens. Calibration slide included. Motic Images Plus 2.0 Software for image capture and edition with Windows and MAC (multilanguages software, English included). 2 years warranty. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
CM10-HD1-001	MOTICAM 1080 FullHD camera	1	
CM10-HD2-001	MOTICAM 1080 BMH FullHD camera LCD 11" display	1	



NEW

**“Wi-Fi digital camera model MOTICAM X3**

Digital camera for microscopy with Wi-Fi output (2.4 or 5 GHz), Ethernet with an attachable C-mount. Live resolution: FullHD (1920 x 108 pixels). Still resolution: 4.0MP. Sensor: CMOS. Optical calculation: 1/3". Focusable lens: 12mm. 2 variable diameter eyepiece adaptors. Macrotube for specimens observation. USB supply. Motic Images Plus 3.0 for PC and Mac. Motic 4-dot calibration slide. Operating system: Windows, Mac OSX, Android and iOS. Supply 100V-240V (CE). 2 years warranty. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
CM08-003-001	Wi-Fi digital camera MOTICAM X3	1	

**“Dual digital Wi-Fi camera (1.3MP) with support for tablet or USB connection for PC (5.0MP)**

Moticam BTW. Adaptative digital camera with an attachable C-mount. Tablet bracket included for tablets from 7" to 10" (Tablet not included. Users can use their own tablet and connect through Wi-Fi). Sensor type: CMOS. Sensor size: 1/2,5". Live resolution: 1280 x 720 pixels (16:9), 1280 x 960 & 800 x 600 (4:3). Image capture resolution: 5.0MP. Output: USB or Wi-Fi. Motic Images Plus 3.0 for Windows, OSX and Linux. Motic 4-dot calibration slide. Power Supply 100V-240V (CE). 2 years warranty. Delivery time 2 weeks

reference	description	pcs/pack	price/pack
CM11-001-001	Wi-Fi & USB digital camera, MOTICAM BTW	1	

NEW

**“Digital microscopy station BA-210 LED FullHD & BA-310 LED FullHD**

Set consisting of a biological microscope of the BA series and the integrated Moticam 1080INT digital camera.

Two models are available:

Biological Microscope BA210 LED with Moticam 1080INT (please check BA210 LED binocular head technical specs)  
Biological Microscope BA310 LED with Moticam 1080INT (please check BA310 LED binocular head technical specs)

The Moticam 1080INT camera is an intermediate camera for Motic BA210 & BA310 series with 11.6 "Full HD LCD, HDMI (1080p) output, 8Mp image capture by SD card slot, USB 2.0 output of 1920x1080 pixels in real time for PC. CMOS sensor, sensor size: 1/2.8 ". Software on board (allows controlling the parameters of the camera by connecting a mouse to the USB). Includes Motic 4-dot calibration slide and focusable macro lens. Includes Motic Images Plus 3.0 software for capture and treatment of images for PC and MAC (multi-language software). Power supply 100V-240V (CE). 2 years warranty. Delivery time 2-3 weeks

reference	description	pcs/pack	price/pack
BM11-HD7-001	digital microscopy station BA-210 LED FullHD	1	
BM17-HD7-001	digital microscopy station BA-310 LED FullHD	1	

**Motic****Motic****Motic**

## astik's

**Cryotube with screw cap Basic Line**

Made of polypropylene with silicone-rubber lined cap. Conical bottom and skirt. With exterior screw. Can withstand temperatures from -70 °C up to +120 °C

reference	capacity	∅ (mm)	∅ stopper (mm)	h (mm)	type	pcs/pack	price/pack	average price/pc
CRTP-018-500	1,8 ml	11	13	46	graduated, blue cap	500		
CRTP-R18-500	1,8 ml	11	13	46	graduated, red cap	500		
CRTP-040-500	4 ml	12,5	15	53	without graduation	500		
"Saving package"								
CRTP-018-10K	1,8 ml	11	13	46	graduated, blue cap	20 x 500		
CRTP-R18-10K	1,8 ml	11	13	46	graduated, red cap	20 x 500		

## astik's

**Cryotube with screw cap, sterile, Standard Line**

PP tube/HDPE Closure. Medical grade resin compliant with USP class VI. Leak proof with easy 3/4 turn and final 1/4 turn for perfect seal. Packed in resealable bags. Highly visible graduations and labeling area. Star foot design. Certified DNase, RNase and pyrogen-free. They withstand temperatures from -196 °C up to 40 °C. With exterior screw. Sterilized by gamma irradiation

reference	capacity	∅ (mm)	h (mm)	type	pcs/pack	price/pack	average price/pc
CRTT-010-025	1,0 ml	12	35	printed graduation, sterile	25		
CRTT-018-025	1,8 ml	12	48	printed graduation, sterile	25		
CRTT-045-010	4,5 ml	12	90	printed graduation, sterile	10		

## astik's

**Cryotube with screw cap, sterile, Premium Line**

Both the lid and the tube are autoclavable; a small o-ring inside the lid ensures that the tube is tightly sealed (o-rings made from other materials may pose a risk of contamination in long-term storage). They withstand temperatures from -196 °C up to +120 °C. Certified DNase, RNase and endotoxin-free. With exterior screw. With graduation marks, a writing surface and an unique barcode printed directly on the tube. Their particular design allows them to be selfstanding. Sterilized by beta irradiation

reference	capacity	h (mm)	type	pcs/pack	price/pack	average price/pc
CRTD-018-050	1,8 ml	44,5	printed graduation, sterile	50		

## astik's

**Cryotubes with inner thread for 10x10 cryoboxes, Premium Line**

Straightline design allows to be stored in standard 10x10 cryo boxes giving 23% additional storage capacity. Single-handed quick seal, closure allows tightening or removal with just half turn avoiding long-term injuries to the user. Star food stand makes it compatible with common working stations on the market. Specially designed cap with lip seal feature, 100% leak proof. Cap and tube are made of FDA-approved medical grade polypropylene with the same coefficient of expansion enhancing leak proof qualities within the temperature range (-196° to +120°C). Autoclavable. RNase and DNase free. Manufactured in a clean room environment, ISO-9001, ISO-14001 and ISO-13485. Sterilized according to ISO 11137-2:2013 "Sterility Assurance Level" (SAL) by standard products 10<sup>-6</sup>

reference	capacity	∅ (mm)	h (mm)	type	pcs/pack	price/pack	average price/pc
CRTH-N05-100	0,5 ml	12,08	28,6	non sterile, with writing area	100		
CRTH-N10-100	1 ml	12,08	36,1	non sterile, with writing area	100		
CRTH-N20-100	2 ml	12,08	47,6	non sterile, with writing area	100		
CRTH-S20-100	2 ml	12,08	47,6	sterile, with writing area	100		
CRTH-N40-100	4 ml	12,08	73,3	non sterile, with writing area	100		
CRTH-N50-100	5 ml	12,08	88,5	non sterile, with writing area	100		
"Saving package"							
CRTH-N20-1K0	2 ml	12,08	47,6	non sterile, with writing area	10 x100		
CRTH-S20-1K0	2 ml	12,08	47,6	sterile, with writing area	10 x100		



**Pack of coloured inserts for cryotubes with inner thread**

For Premium Line cryotubes, reference CRTH. 100 inserts of each colour

reference	tipo	pcs/pack	price/pack	average price/pc
CRTI-MCP-500	red, blue, green, yellow and purple	500		

**Carton freezer box for cryotubes up to 2 ml**

Delivered already assembled

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
CBOX-081-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) white	1	
CBOX-R81-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) red	1	
CBOX-B81-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) blue	1	
CBOX-G81-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) green	1	
CBOX-Y81-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) yellow	1	
CBOX-N81-001	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) orange	1	
CBOX-100-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) white	1	
CBOX-10R-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) red	1	
CBOX-10B-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) blue	1	
CBOX-10G-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) green	1	
CBOX-10Y-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) yellow	1	
CBOX-10N-001	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) orange	1	
"Saving package"						
CBOX-081-096	47	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) white	96	
CBOX-100-096	47	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) white	96	

**Carton freezer box for 4 ml cryotubes**

Delivered already assembled

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
CBOX-082-001	76	134	134	up to 81 tubes ( $\varnothing_{max}$ 14 mm) white	1	
CBOX-101-001	76	134	134	up to 100 tubes ( $\varnothing_{max}$ 12 mm) white	1	

**Plastic freezer box for cryotubes**

Made of polypropylene. Autoclavable

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-081-001	51	128	128	for 81 tubes up to 1.8 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-100-001	53	140	140	for 100 tubes up to 1.8 ml ( $\varnothing_{max}$ 12 mm)	1	

**Plastic freezer box for cryotubes with numerical grid on lid**

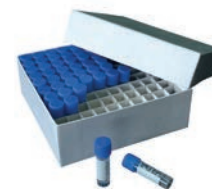
Made of polypropylene with alphanumeric numeration printed on lid and bottom

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-B02-001	50	130	130	blue, for 81 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-G02-001	50	130	130	green, for 81 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-R02-001	50	130	130	red, for 81 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-Y02-001	50	130	130	yellow, for 81 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-B10-001	50	130	130	blue, for 100 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-G10-001	50	130	130	green, for 100 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-R10-001	50	130	130	red, for 100 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	
FBXP-Y10-001	50	130	130	yellow, for 100 tubes up to 2 ml ( $\varnothing_{max}$ 12 mm)	1	

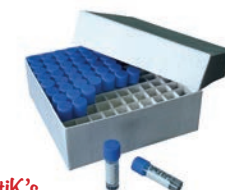
astik's



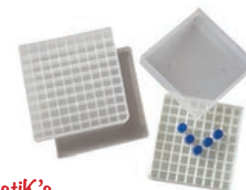
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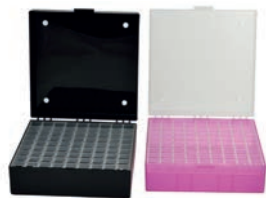
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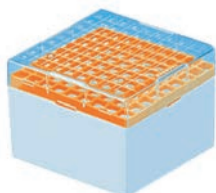


### Plastic freezer box for cryotubes with snap-on lid

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from -130 °C up to +130 °C). Box with 81 alphanumeric printed positions and suitable for cryotubes up to 2 ml, microtubes 1.5 or 2 ml and chromatography vials 12 x 32 mm. Lid fixed with the box with a Snap-on device. Available in two versions: magenta colour box and natural lid; or black box and lid for photosensitive products

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-K01-001	62	140	140	clear/magenta, for 81 tubes ( $\varnothing_{\text{max.}}$ 12 mm)	1	
FBXP-K02-001	62	140	140	black/black, for 81 tubes ( $\varnothing_{\text{max.}}$ 12 mm)	1	

astik's



### PC freezer storage boxes for cryotubes with numeric graduation on lid

Made of Polycarbonate (PC). Autoclavable. Orange color. Withstands temperatures from -196 °C up to 120 °C. Printed grid on the lid

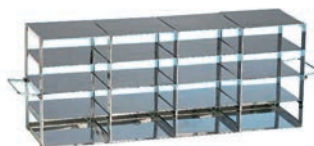
reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBPC-N02-001	52	133	133	for 81 tubes up to 2 ml ( $\varnothing_{\text{max.}}$ 12 mm)	1	
FBPC-N04-001	82	133	133	for 81 tubes up to 4 ml ( $\varnothing_{\text{max.}}$ 12 mm)	1	
FBPC-N05-001	95	133	133	for 81 tubes up to 5 ml ( $\varnothing_{\text{max.}}$ 12 mm)	1	

clink

### Racks for upright freezers

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
RACV-33A-001	165	420	140	for 3 x 3 cryoboxes of 50 mm tall	1	
RACV-43A-001	223	420	140	for 4 x 3 cryoboxes of 50 mm tall	1	
RACV-53A-001	277	420	140	for 5 x 3 cryoboxes of 50 mm tall	1	
RACV-44A-001	223	560	140	for 4 x 4 cryoboxes of 50 mm tall	1	
RACV-54A-001	277	560	140	for 5 x 4 cryoboxes of 50 mm tall	1	
RACV-33B-001	245	420	140	for 3 x 3 cryoboxes of 75 mm tall	1	
RACV-34B-001	245	560	140	for 3 x 4 cryoboxes of 75 mm tall	1	
RACV-23C-001	200	420	140	for 2 x 3 cryoboxes of 95 mm tall	1	
RACV-24C-001	200	560	140	for 2 x 4 cryoboxes of 95 mm tall	1	
RACV-23D-001	265	420	140	for 2 x 3 cryoboxes of 125 mm tall	1	
RACV-24D-001	265	560	140	for 2 x 4 cryoboxes of 125 mm tall	1	



clink

### Racks for upright freezers with removable trays

Made of stainless steel. For boxes of 135 x 135 mm. The removable trays allow to use the carton boxes without having to remove the complete rack. Delivery time 2 weeks

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
RACE-33A-001	170	440	143	for 3 x 3 cryoboxes of 50 mm tall	1	
RACE-43A-001	230	440	143	for 4 x 3 cryoboxes of 50 mm tall	1	
RACE-53A-001	285	440	143	for 5 x 3 cryoboxes of 50 mm tall	1	
RACE-44A-001	230	580	143	for 4 x 4 cryoboxes of 50 mm tall	1	
RACE-54A-001	285	580	143	for 5 x 4 cryoboxes of 50 mm tall	1	
RACE-33B-001	250	440	143	for 3 x 3 cryoboxes of 75 mm tall	1	
RACE-34B-001	250	580	143	for 3 x 4 cryoboxes of 75 mm tall	1	
RACE-23C-001	210	440	143	for 2 x 3 cryoboxes of 95 mm tall	1	
RACE-24C-001	210	580	143	for 2 x 4 cryoboxes of 95 mm tall	1	
RACE-23D-001	275	440	143	for 2 x 3 cryoboxes of 125 mm tall	1	
RACE-24D-001	275	580	143	for 2 x 4 cryoboxes of 125 mm tall	1	



### Racks for chest freezers

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
RACH-05A-001	280	140	140	for 5 cryoboxes of 50 mm tall	1	
RACH-07A-001	390	140	140	for 7 cryoboxes of 50 mm tall	1	
RACH-08A-001	445	140	140	for 8 cryoboxes of 50 mm tall	1	
RACH-09A-001	500	140	140	for 9 cryoboxes of 50 mm tall	1	
RACH-10A-001	555	140	140	for 10 cryoboxes of 50 mm tall	1	
RACH-11A-001	610	140	140	for 11 cryoboxes of 50 mm tall	1	
RACH-12A-001	665	140	140	for 12 cryoboxes of 50 mm tall	1	
RACH-13A-001	720	140	140	for 13 cryoboxes of 50 mm tall	1	
RACH-05B-001	405	140	140	for 5 cryoboxes of 75 mm tall	1	
RACH-06B-001	485	140	140	for 6 cryoboxes of 75 mm tall	1	
RACH-07B-001	565	140	140	for 7 cryoboxes of 75 mm tall	1	
RACH-08B-001	645	140	140	for 8 cryoboxes of 75 mm tall	1	
RACH-09B-001	725	140	140	for 9 cryoboxes of 75 mm tall	1	
RACH-04C-001	400	140	140	for 4 cryoboxes of 95 mm tall	1	
RACH-05C-001	500	140	140	for 5 cryoboxes of 95 mm tall	1	
RACH-06C-001	600	140	140	for 6 cryoboxes of 95 mm tall	1	
RACH-07C-001	700	140	140	for 7 cryoboxes of 95 mm tall	1	
RACH-04D-001	525	140	140	for 4 cryoboxes of 125 mm tall	1	
RACH-05D-001	655	140	140	for 5 cryoboxes of 125 mm tall	1	

We can supply tailor-made sized racks for freezers. Kindly contact our Customer Service.

clink



### “Crushed Ice Maker

Compact crushed ice, perfectly suitable for the chemical and pharmaceutical sectors. Exterior in AISI 304 stainless steel and monoblock body in stainless steel with CFC's-free, high-pressure injected polyurethane insulation. Tank and door in ABS food-grade plastic. Production in optimum conditions: room temperature 21°C, water temperature 15°C. Water inlet Ø3/4 and outlet Ø24 mm. Cooling gas R404A. 220-240V/50Hz. 2 years warranty Delivery 4 weeks

reference	external dimensions (l x w x h)	production capacity	storage capacity	pcs/pack	price/pack
ICEM-060-001	450 x 620 x 680 mm	60 kg/24 h	10 kg	1	
ICEM-090-001	500 x 660 x 800 mm	90 kg/24 h	30 kg	1	

### Ice bucket with lid, polyurethane

Blue color. Durable and rigid. Unbreakable in normal use. Convenient handle makes it easily portable. Excellent insulating properties suitable for use with liquid nitrogen, dry ice, water ice, salt solution and acetone

reference	capacity	dimensions (mm)	pcs/pack	price/pack
ICEP-B01-001	2,5 L	283 x 283 x 130	1	
ICEP-B02-001	4,5 L	280 x 280 x 185	1	

InfriCo  
medicare



astik's





### “Lab Care refrigerator +2 / + 8°C

Lab Care refrigerator available in solid and glass door type. Product temperature stability range of approximately  $\pm 1$  °C and temperature uniformity less than  $\pm 2$  °C. Great size display, digital controller with precision of 0.1 °C. 3 types of acoustic alarms (temperature rise or fall, probe failure and open door), remote alarm signal - potential free contact. They are equipped as standard with removable shelves in Epoxy coated galvanised steel and adjustable in height (3 shelves of 460 x 400 mm for the model of 150L and 5 shelves of 490 x 400 mm for the model of 360L), LED lighting and locks. Exterior / interior finishing: white plastic coated galvanised steel. They have multiple optional functions such as Bluetooth Datalogger, freezing protection controller, battery or RS485 communication port Modbus with PC or network, etc. 230V / 50Hz. 2 years warranty Delivery 4 weeks

reference	capacity	external dimensions (l x w x h)	shelves n°	door type	pcs/pack	price/pack
LCRE-15S-001	150 L	600 x 600 x 825 mm	3	solid	1	
LCRE-36S-001	360 L	620 x 600 x 1845 mm	5	solid	1	
LCRE-36G-001	360 L	620 x 600 x 1845 mm	5	glass	1	



### “Lab Care Plus Freezer - 10 / -25°C

Lab Care freezer available in solid door type. Product temperature stability range of approximately  $\pm 1$  °C and temperature uniformity less than  $\pm 2$  °C. Great size display, digital controller with precision of 0.1 °C. 3 types of acoustic alarms (temperature rise or fall, probe failure and open door), remote alarm signal - potential free contact. They are equipped as standard with removable shelves in white plastic coated galvanised steel that allows you to adjust their position except for the model of 430 L that has 5 static chrome-plated wire shelf of 480 x 450 mm, LED lighting and locks. Exterior / interior finishing: white plastic coated galvanised steel. They have multiple optional functions such as Bluetooth Datalogger, battery or RS485 communication port Modbus with PC or network, etc. 230V / 50Hz. 2 years warranty Delivery 4 weeks

reference	capacity	external dimensions (l x w x h)	shelves n°	pcs/pack	price/pack
LCFR-15S-001	150 L	600 x 600 x 825 mm	3	1	
LCFR-40S-001	400 L	670 x 660 x 1955 mm	8	1	
LCFR-43S-001	430 L	687 x 670 x 2010 mm	5	1	



### “Optional equipment for Lab Care refrigerators and Lab Care Plus Freezers

It is possible to customize the equipment depending on your needs and preferences

reference	description	pcs/pack	price/pack
LCAC-001-001	shelves for LCRE-15S, dim: 460 x 400 mm	1	
LCAC-002-001	shelves for LCRE-36S and -36G, dim: 490 x 400 mm	1	
LCAC-003-001	shelves for LCFR-15S, dim: 460 x 400 mm	1	
LCAC-004-001	shelves for LCFR-40S, dim: 455 x 425 mm	1	
LCAC-005-001	drawers for LCRE-15S, dim: 460 x 400 mm	1	
LCAC-006-001	drawers for LCRE-36S y -36G, dim: 490 x 400 mm	1	
LCAC-007-001	drawers for LCFR-15S, dim: 460 x 400 mm	1	
LCAC-008-001	drawers for LCFR-40S, dim: 455 x 425 mm	1	
LCAC-009-001	freezing protection controller for LCRE-15S, -36S y -36G	1	
LCAC-010-001	access port for all models	1	
LCAC-011-004	casters for all models	4	
LCAC-012-001	product simulation temperature probe for all models	1	
LCAC-013-001	battery for all models	1	
LCAC-014-001	RS485 communication port Modbus for all models	1	
LCAC-015-001	bluetooth datalogger for all models	1	







**GENERAL LABORATORY**



LBG

**Beaker set, low form**

Contains one unit of each of the following capacities: 50, 100, 250, 500 and 1000 ml. Graduated beakers with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819

reference	capacities	pcs/pack	price/pack
BKL3-KIT-001	50, 100, 250, 500, 1000 ml	1	

LBG

**Beaker, low form**

Graduated and with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819



reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKL3-025-012	25 ml	35	50	12		
BKL3-050-012	50 ml	45	60	12		
BKL3-100-012	100 ml	53	70	12		
BKL3-150-012	150 ml	60	80	12		
BKL3-250-012	250 ml	70	97	12		
BKL3-400-006	400 ml	80	112	6		
BKL3-500-006	500 ml	87	118	6		
BKL3-600-006	600 ml	90	130	6		
BKL3-800-006	800 ml	100	135	6		
BKL3-1K0-006	1000 ml	105	150	6		
BKL3-2K0-001	2000 ml	133	185	1		
BKL3-3K0-001	3000 ml	150	215	1		
BKL3-5K0-001	5000 ml	170	270	1		

GLASSCO

**Beaker, low form**

Made of 3.3 borosilicate glass (upper grade). Graduated and with spout. According to DIN 12331 and ISO 3819



reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKLG-050-012	50 ml	42	60	12		
BKLG-100-012	100 ml	50	70	12		
BKLG-250-012	250 ml	70	95	12		
BKLG-400-010	400 ml	80	110	10		
BKLG-600-006	600 ml	90	125	6		
BKLG-1K0-006	1000 ml	105	145	6		
BKLG-2K0-004	2000 ml	132	185	4		

LBG

**Beaker, tall form**

Graduated and with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819



reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKT3-050-012	50 ml	40	67	12		
BKT3-100-012	100 ml	47	88	12		
BKT3-150-012	150 ml	52	100	12		
BKT3-250-012	250 ml	60	123	12		
BKT3-400-006	400 ml	75	135	6		
BKT3-500-006	500 ml	75	150	6		
BKT3-600-006	600 ml	80	155	6		
BKT3-800-006	800 ml	90	178	6		
BKT3-1K0-006	1000 ml	100	185	6		
BKT3-2K0-001	2000 ml	120	240	1		

### Beaker, tall form

Made of 3.3 borosilicate glass (upper grade). Graduated and with spout. According to DIN 12331 and ISO 3819

reference	capacity	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKTG-100-010	100 ml	48	80	10		
BKTG-250-010	250 ml	60	120	10		
BKTG-600-006	600 ml	80	150	6		

### Thick-walled beaker, low form with double capacity scale

Made of 3.3 borosilicate glass (upper grade). These beakers are stronger than standard beakers. High mechanical resistance thanks to a thick and reinforced wall, which is less prone to breakage during washing, has longer life time and increased user safety. Graduated and with spout. According to ASTM E 438 and ASTM E 960. Caution: This glassware is not recommended for use on hot plates

reference	capacity	graduation	range	pcs/pack	price/pack	average price/pc
BKLR-250-012	250 ml	25 ml	25 - 200 ml	12		
BKLR-600-006	600 ml	50 ml	100 - 500 ml	6		
BKLR-1K0-006	1000 ml	50 ml	100 - 900 ml	6		
BKLR-2K0-004	2000 ml	200 ml	200 - 1800 ml	4		

### Beaker, PTFE

Without graduations. Withstands temperatures up to 280 °C

reference	capacity	$\varnothing$ (mm)	h (mm)	pcs/pack	price/pack
BKLT-050-001	50 ml	43	55	1	
BKLT-100-001	100 ml	54	68	1	
BKLT-250-001	250 ml	66	97	1	

### Beaker, polypropylene

With raised graduations. Autoclavable at 121 °C. According to ISO 7056

reference	capacity	graduation	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKLP-025-012	25 ml	5 ml	35	50	12		
BKLP-050-012	50 ml	5 ml	45	60	12		
BKLP-100-012	100 ml	5 ml	55	70	12		
BKLP-250-012	250 ml	10 ml	75	100	12		
BKLP-500-012	500 ml	10 ml	95	120	12		
BKLP-1K0-006	1000 ml	20 ml	115	150	6		
BKLP-2K0-006	2000 ml	50 ml	145	185	6		
BKLP-5K0-002	5000 ml	200 ml	180	260	2		

### Beaker, low form, PMP

Made of Polymethylpentene (PMP/TPX®). Higher transparency, chemical resistance and heat tolerance than PP. Autoclavable. Easy to read silk screened graduations. Stackable. According to ISO 7056:1981

reference	capacity	graduation	$\varnothing_{\text{ext}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BKLX-050-012	50 ml	5 ml	49,4	58,4	12		
BKLX-100-012	100 ml	10 ml	63,2	72,5	12		
BKLX-250-006	250 ml	25 ml	83,1	92,1	6		
BKLX-600-004	600 ml	50 ml	110,3	131	4		
BKLX-1K0-003	1000 ml	50 ml	129,4	149,2	3		
BKLX-2K0-001	2000 ml	100 ml	158,5	190,2	1		
BKLX-5K0-001	5000 ml	500 ml	202,9	260,5	1		



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clink

**Beaker, stainless steel**

With rim and spout. Without graduations

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack
BKLS-100-001	100 ml	50	60	1	
BKLS-250-001	250 ml	65	85	1	
BKLS-500-001	500 ml	80	110	1	

LBG

**Erlenmeyer flask, narrow neck**

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12380, ISO 1773

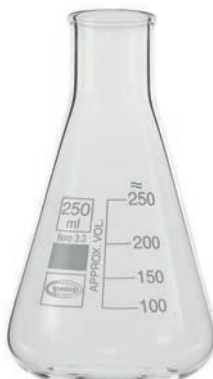


reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>inner mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
EFN3-025-012	25 ml	42	70	16	12		
EFN3-050-012	50 ml	51	85	18	12		
EFN3-100-012	100 ml	64	105	26	12		
EFN3-250-012	250 ml	85	140	30	12		
EFN3-500-008	500 ml	105	175	30	8		
EFN3-1K0-006	1000 ml	131	220	38	6		
EFN3-2K0-001	2000 ml	166	280	40	1		
EFN3-3K0-001	3000 ml	187	310	44	1		
EFN3-5K0-001	5000 ml	220	365	55	1		

WILSON

**Erlenmeyer flask, narrow neck**

Graduated. Made of top quality 3.3 borosilicate glass. According to DIN 12380, ISO 1773



reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>outer mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
EFNG-025-010	25 ml	42	75	22	10		
EFNG-050-010	50 ml	51	90	22	10		
EFNG-100-010	100 ml	64	105	22	10		
EFNG-250-010	250 ml	85	145	34	10		
EFNG-500-010	500 ml	105	180	34	10		
EFNG-1K0-010	1000 ml	131	220	34	10		
EFNG-2K0-006	2000 ml	166	280	50	6		
EFNG-3K0-001	3000 ml	187	310	52	1		
EFNG-5K0-001	5000 ml	220	365	52	1		

LBG

**Erlenmeyer flask, wide neck**

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12385



reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	Ø <sub>inner mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
EFW3-100-012	100 ml	64	105	30	12		
EFW3-250-010	250 ml	85	140	46	10		
EFW3-500-008	500 ml	105	175	46	8		
EFW3-1K0-006	1000 ml	131	220	46	6		

### Erlenmeyer flask, wide neck

Graduated. Made of top quality 3.3 borosilicate glass. According to DIN 12385, EN ISO 24450

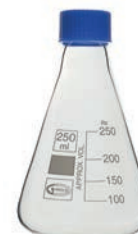
reference	capacity	∅ <sub>base</sub> (mm)	h (mm)	∅ <sub>outer mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
EFWG-100-010	100 ml	64	105	34	10		
EFWG-250-010	250 ml	85	145	50	10		
EFWG-500-010	500 ml	105	180	50	10		
EFWG-1K0-010	1000 ml	131	220	50	10		



### Erlenmeyer flask with GL thread and screw cap

Made of top quality 3.3 borosilicate glass. With GL thread and screw cap with a PTFE joint. According to DIN 12380, ISO 1773

reference	capacity	∅ <sub>base</sub> (mm)	h (mm)	thread	pcs/pack	price/pack	average price/pc
EFS3-101-010	100 ml	64	114	GL 25	10		
EFS3-251-010	250 ml	85	143	GL 32	10		
EFS3-501-010	500 ml	105	183	GL 32	10		
EFS3-1K1-006	1000 ml	131	230	GL 32	6		



### Erlenmeyer, polypropylene

With screw cap. Without graduation. Autoclavable at 121 °C

reference	capacity	∅ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
EFSP-100-012	100 ml	30	110	12		
EFSP-250-012	250 ml	35	150	12		
EFSP-500-012	500 ml	45	185	12		

astik's



### Erlenmeyer flask, polypropylene

Standardized neck. Ideal for general laboratory use. Autoclavable

reference	capacity	graduation (ml)	mouth (mm)	pcs/pack	price/pack	average price/pc
EFJP-050-005	50 ml	5 ml	14/23	5		
EFJP-125-005	125 ml	25 ml	14/23	5		
EFJP-250-005	250 ml	25 ml	19/26	5		
EFJP-500-002	500 ml	50 ml	24/29	2		
EFJP-1K0-002	1000 ml	50 ml	29/32	2		
EFJP-2K0-001	2000 ml	100 ml	29/32	1		

Kartell



### Closed lead ring

Made of PVC coated steel. Designed to stabilize erlenmeyer flasks immersed in water

reference	∅ <sub>inside</sub> (mm)	weight (g)	type	pcs/pack	price/pack
WEIR-048-001	48	260	for 125 - 500 ml narrow neck flasks	1	
WEIR-056-001	56	520	for 250 - 1000 ml narrow neck flasks	1	
WEIR-061-001	61	830	for 500 - 2000 ml narrow neck flasks	1	
WEIR-074-001	74	1000	for 1000 - 4000 ml narrow neck flasks	1	





LBG

**Kjeldahl flask**

For nitrogen determination. Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
NFL3-100-006	100 ml	60	200	22	6		
NFL3-250-002	250 ml	81	270	34	2		
NFL3-500-002	500 ml	101	300	34	2		



LBG

**Boiling flask, round bottom, narrow neck**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
BFK3-050-012	50 ml	53	100	20	12		
BFK3-100-012	100 ml	63	120	21	12		
BFK3-250-012	250 ml	88	165	25	12		
BFK3-500-008	500 ml	110	210	30	8		
BFK3-1K0-006	1000 ml	140	260	35	6		
BFK3-2K0-002	2000 ml	175	305	46	2		



LBG

**Boiling flask, flat bottom, narrow neck**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
BFG3-050-012	50 ml	53	100	20	12		
BFG3-100-012	100 ml	63	120	21	12		
BFG3-250-012	250 ml	88	165	25	12		
BFG3-500-008	500 ml	110	210	30	8		
BFG3-1K0-006	1000 ml	140	260	35	6		
BFG3-2K0-002	2000 ml	175	305	46	2		
BFG3-3K0-001	3000 ml	199	300	50	1		



astik's

**Measuring jug, polypropylene**

With raised graduation. Autoclavable at 121 °C

reference	capacity	graduation	pcs/pack	price/pack	average price/pc
MJUP-250-012	250 ml	10 ml	12		
MJUP-500-012	500 ml	25 ml	12		
MJUP-1K0-006	1000 ml	50 ml	6		
MJUP-2K0-006	2000 ml	100 ml	6		
MJUP-3K0-006	3000 ml	100 ml	6		
MJUP-5K0-004	5000 ml	250 ml	4		



LBG

**Conical pressed measuring flask**

Made of soda-lime glass. Raised scale

reference	capacity	pcs/pack	price/pack
COMN-060-001	60 ml	1	
COMN-125-001	125 ml	1	
COMN-250-001	250 ml	1	
COMN-500-001	500 ml	1	

NEW

### Porcelain mortar with pestle *Premium Line*

Made of upper grade porcelain. Unglazed inside but fine polished. Price includes mortar and pestle. You can find spare "Pestle for porcelain mortar" on our website: [www.labbox.com](http://www.labbox.com)

reference	capacity	Ø <sub>outer top</sub> (mm)	Ø <sub>inner top</sub> (mm)	h (mm)	pcs/pack	price/pack
MORK-060-001	60 ml	80	60	44	1	
MORK-100-001	100 ml	90	75	48	1	
MORK-150-001	150 ml	105	85	70	1	
MORK-275-001	275 ml	125	100	70	1	
MORK-550-001	550 ml	155	125	88	1	
MORK-900-001	900 ml	180	150	100	1	
MORK-1K5-001	1500 ml	200	175	115	1	
MORK-2K0-001	2000 ml	230	175	140	1	
MORK-4K2-001	4200 ml	285	250	175	1	

### Glass mortar with pestle *Premium Line*

Made of soda-lime glass. Glazed inside and outside. Price includes mortar and pestle

reference	capacity	Ø <sub>top</sub> (mm)	l <sub>pestle</sub> (mm)	pcs/pack	price/pack
MORV-050-001	50 ml	60	80	1	
MORV-100-001	100 ml	80	100	1	
MORV-250-001	250 ml	100	120	1	
MORV-500-001	500 ml	120	140	1	
MORV-1K0-001	1000 ml	150	160	1	

### Glass mortar with pestle

Made of neutral glass LBG N. Price includes mortar and pestle. With rough inner surface (unglazed)

reference	capacity	Ø <sub>outer top</sub> (mm)	Ø <sub>inner top</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
MORN-060-001	40 ml	70	60	40	1	
MORN-075-001	75 ml	85	75	50	1	
MORN-090-001	160 ml	100	90	60	1	
MORN-120-001	300 ml	130	120	75	1	
MORN-150-001	650 ml	165	150	85	1	
MORN-180-001	1100 ml	195	180	100	1	

### Agate mortar with pestle, *Premium Line*

Mortar with hexagonal shape made of high hardness and abrasion resistant agate. The hardness on the Mohs scale is 6.5. Inner and outer surfaces fine polished. Price includes mortar and pestle. Due to the manufacturing process of these mortars, the dimensions mentioned in catalog are approximate and could be subject to change

reference	Ø <sub>outer</sub> (mm)	Ø <sub>inner</sub> (mm)	h (mm)	pcs/pack	price/pack
MORG-050-001	50	38	28	1	
MORG-078-001	76	63	35	1	
MORG-100-001	100	88	41	1	
MORG-115-001	114	100	43	1	
MORG-125-001	125	114	65	1	

HDN  
ceramics



LBG



LBG



HDN  
ceramics



LBG



### Crystallizing dish with spout

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
CDI3-080-006	80 ml	60	40	6		
CDI3-200-006	200 ml	90	45	6		
CDI3-300-006	300 ml	100	50	6		
CDI3-600-002	600 ml	125	63	2		
CDI3-1K0-002	1000 ml	150	75	2		
CDI3-2K0-002	2000 ml	180	90	2		

LBG



### Crystallizing dish, thick glass

Made of soda-lime glass

reference	capacity	Ø <sub>inner</sub> (mm)	h <sub>total</sub> (mm)	h <sub>int.</sub> (mm)	pcs/pack	price/pack
CDIN-1K5-001	1200 ml	150	90	69	1	
CDIN-2K5-001	2100 ml	180	100	90	1	
CDIN-3K8-001	3300 ml	210	110	100	1	

astik's



### Crystallizing dish, high volume, polypropylene

Without spout. Autoclavable at 121 °C

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack
CDIP-1K5-001	1500 ml	180	60	1	
CDIP-3K0-001	3000 ml	200	100	1	
CDIP-4K9-001	4900 ml	250	100	1	

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### Crystallizing dish with spout, porcelain, Premium Line

Made of top quality porcelain. Glazed inside and outside except for bottom and rim

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
CDIK-100-006	100 ml	77	32	6		

LBG



### Evaporating dish, glass, flat bottom

With spout. Made of borosilicate glass LBG 3.3

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
EDF3-045-006	45 ml	60	30	6		
EDF3-100-006	100 ml	90	45	6		
EDF3-300-002	300 ml	120	60	2		
EDF3-600-002	600 ml	150	75	2		



**Stainless steel bowl**

With lip and flat bottom

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack
EDFS-070-001	70 ml	60	35	1	
EDFS-150-001	160 ml	80	45	1	
EDFS-300-001	250 ml	100	55	1	
EDFS-500-001	400 ml	120	60	1	

**Evaporating dish, porcelain, round bottom Premium Line**

Made of top quality porcelain. Withstands temperatures up to 1150 °C. Round form with lip. Glazed inside

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
EVRK-035-006	35 ml	60	22	6		
EVRK-070-006	70 ml	75	30	6		
EVRK-120-006	120 ml	94	42	6		
EVRK-250-006	250 ml	115	47	6		
EVRK-385-001	385 ml	145	52	1		
EVRK-525-001	525 ml	162	52	1		
EVRK-765-001	765 ml	185	60	1		
EVRK-1K3-001	1285 ml	215	80	1		

**Evaporating dish, porcelain, flat bottom Premium Line**

Made of top quality porcelain. Withstands temperatures up to 1150 °C. Shallow form with lip. Glazed inside

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
EVFK-035-006	35 ml	65	16	6		
EVFK-050-006	50 ml	75	20	6		
EVFK-080-006	80 ml	85	22	6		
EVFK-100-006	100 ml	100	23	6		
EVFK-200-006	200 ml	120	34	6		
EVFK-300-006	300 ml	150	29	6		
EVFK-500-001	500 ml	175	31	1		
EVFK-1K0-001	1000 ml	250	53	1		

**Casserole, porcelain, Premium Line**

Made of top quality porcelain. Withstands temperatures up to 1150 °C. Glazed inside and outside, except rim and top of handle. With lip

reference	capacity	Ø <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack
CAHK-065-001	65 ml	70	33	1	
CAHK-200-001	200 ml	100	52	1	
CAHK-500-001	500 ml	125	75	1	
CAHK-1K2-001	1250 ml	175	98	1	

clink

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LBG

**Melting point capillary tube**

Made of borosilicate glass LBG 3.3. With one end sealed

reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MPC3-090-500	2,0	90	500		



LBG

**Thiele melting point tube**

Made of borosilicate glass LBG 3.3

reference	∅ <sub>tube</sub> (mm)	∅ <sub>side</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
MPT3-150-005	24	10	150	5		

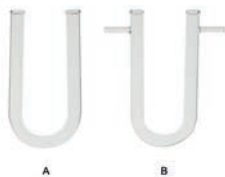


LBG

**Drying tube, U-shape**

Made of borosilicate glass LBG 3.3

reference	∅ <sub>tube</sub> (mm)	h (mm)	type	pcs/pack	price/pack
DRU3-150-001	15	150	without side hose (A)	1	
DRU3-151-001	15	150	with ∅ 6 mm side hose (B)	1	



LBG

**Watch glass dish**

Made of neutral glass LBG N

reference	∅ (mm)	pcs/pack	price/pack	average price/pc
WDIN-045-010	45	10		
WDIN-060-010	60	10		
WDIN-080-010	80	10		
WDIN-100-010	100	10		
WDIN-120-010	120	10		
WDIN-150-010	150	10		
WDIN-180-010	180	10		



LBG

**Watch glass dish, Premium Line**

Made of Soda-lime glass. Glazed rims. According to DIN 12341

reference	∅ (mm)	pcs/pack	price/pack	average price/pc
WDIN-P40-010	40	10		
WDIN-P60-010	60	10		
WDIN-P80-010	80	10		
WDIN-10P-010	100	10		



LBG

**Weighing bottle, low form, with lid**

Made of borosilicate glass LBG 3.3

reference	∅ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
WBL3-030-006	30	20	6		
WBL3-035-006	35	25	6		
WBL3-040-006	40	30	6		
WBL3-050-006	50	30	6		
WBL3-060-006	60	30	6		
WBL3-070-006	70	40	6		



NEW

### Weighing bottle, tall form, with lid

Made of borosilicate glass LBG 3.3

reference	∅ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
WBT3-024-006	25	25	6		
WBT3-025-006	25	40	6		
WBT3-030-006	30	50	6		
WBT3-040-006	40	50	6		
WBT3-045-006	45	70	6		

NEW

### Weighing bottle, PP, with lid

Transparent. With hermetic seal lid. Cylindrical shape

reference	capacity	∅ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
WBLP-030-012	30 ml	32	40	12		
WBLP-050-012	50 ml	32	65	12		
WBLP-060-012	60 ml	50	52	12		
WBLP-120-006	120 ml	50	70	6		

### Desiccator with knobbed lid

Polypropylene base and polycarbonate transparent lid. Includes a silicon ring between lid and base to ensure sealing. Polypropylene plate included. See the spare parts available for these desiccators on our website: [www.labbox.com](http://www.labbox.com)

reference	description	pcs/pack	price/pack
DE1P-200-001	desiccator ∅ 200 mm	1	
DE1P-250-001	desiccator ∅ 250 mm	1	
DE1P-300-001	desiccator ∅ 300 mm	1	

### Vacuum type desiccator, plastic stopcock

Polypropylene base and polycarbonate transparent lid. With a basket for desiccant (only available for 200mm diameter and 250 mm diameter models). Includes a silicon ring between lid and base to ensure sealing. Connector for 10 mm (200 and 250 models) and 8 mm (300 model) inner diameter tubing. Polypropylene plate included. See the spare parts available for these desiccators on our website: [www.labbox.com](http://www.labbox.com)

reference	description	pcs/pack	price/pack
DE2P-200-001	desiccator ∅ 200 mm (A)	1	
DE2P-250-001	desiccator ∅ 250 mm (A)	1	
DE2P-300-001	desiccator ∅ 300 mm (B)	1	

### Desiccator, glass, Basic Line

Made of neutral glass LBG N. Porcelain plate included

reference	capacity	∅ <sub>body</sub> (mm)	∅ <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
DE01-200-001	4 L	210	180	300	1	
DE01-250-001	6 L	240	210	350	1	
DE01-300-001	10 L	300	275	400	1	

Spare knobbed lid

DEL1-200-001	for DE01-200-001 (∅ <sub>ext</sub> : 269 mm and ∅ <sub>int</sub> : 218 mm)	1	
DEL1-250-001	for DE01-250-001 (∅ <sub>ext</sub> : 306 mm and ∅ <sub>int</sub> : 247 mm)	1	
DEL1-300-001	for DE01-300-001 (∅ <sub>ext</sub> : 366 mm and ∅ <sub>int</sub> : 303 mm)	1	

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### Vacuum type desiccator, glass stopcock and lid Basic Line

Made of neutral glass LBG N. Porcelain plate included. Connector for 8 mm inner diameter tubing

reference	capacity	Ø <sub>body</sub> (mm)	Ø <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
DE02-200-001	4 L	210	180	308	1	
DE02-250-001	6 L	240	210	358	1	
DE02-300-001	10 L	300	275	408	1	
Spare lid with glass stopcock						
DEL2-200-001	for DE02-200-001 (Ø <sub>ext</sub> : 269 mm and Ø <sub>int</sub> : 218 mm)				1	
DEL2-250-001	for DE02-250-001 (Ø <sub>ext</sub> : 306 mm and Ø <sub>int</sub> : 247 mm)				1	
DEL2-300-001	for DE02-300-001 (Ø <sub>ext</sub> : 366 mm and Ø <sub>int</sub> : 303 mm)				1	

LBG



### Desiccator with knobbed lid, Premium Line

Made of soda glass. Porcelain plate included

reference	capacity	Ø <sub>body</sub> (mm)	Ø <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
DE06-150-001	1,5 L	150	145	225	1	
DE06-200-001	4 L	200	195	240	1	
DE06-250-001	6 L	250	240	280	1	
DE06-300-001	10 L	300	275	415	1	
Spare knobbed lid						
DEL6-150-001	for DE06-150-001				1	
DEL6-200-001	for DE06-200-001				1	
DEL6-250-001	for DE06-250-001				1	
DEL6-300-001	for DE06-300-001				1	

LBG



### Vacuum type desiccator, glass stopcock and lid Premium Line

Made of soda glass. Porcelain plate included. Connector for 8 mm inner diameter tubing

reference	capacity	Ø <sub>body</sub> (mm)	Ø <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
DE05-150-001	1,5 L	150	145	225	1	
DE05-200-001	4 L	200	195	240	1	
DE05-250-001	6 L	250	240	280	1	
DE05-300-001	10 L	300	275	415	1	
Spare lid with glass stopcock						
DEL5-150-001	for DE05-150-001				1	
DEL5-200-001	for DE05-200-001				1	
DEL5-250-001	for DE05-250-001				1	
DEL5-300-001	for DE05-300-001				1	
Spare parts						
DE05-A01-001	glass stopcock				1	

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ceramics

### Desiccator plate, porcelain Premium Line

Made of top quality porcelain. Withstands temperatures up to 1150 °C. High chemical resistance. Suitable for any standard desiccator and for Basic Line desiccators. Glazed on one side. Autoclavable

reference	Ø (mm)	pcs/pack	price/pack
DEPK-140-001	140	1	
DEPK-190-001	190	1	
DEPK-210-001	210	1	
DEPK-275-001	275	1	





**NEW** Vacuum type desiccator with lid and rotating sleeve valve *Premium Line*

Made of soda glass. Porcelain plate included. Connector for 8 mm inner diameter tubing

reference	capacity	∅ <sub>body</sub> (mm)	∅ <sub>plate</sub> (mm)	h <sub>total</sub> (mm)	pcs/pack	price/pack
DE07-150-001	1,5 L	150	145	225	1	
DE07-200-001	4 L	200	195	240	1	
DE07-250-001	6 L	250	240	280	1	
DE07-300-001	10 L	300	275	415	1	
Replacement lid with rotating sleeve valve						
DEL7-150-001		for DE07-150-001			1	
DEL7-200-001		for DE07-200-001			1	
DEL7-250-001		for DE07-250-001			1	
DEL7-300-001		for DE07-300-001			1	

**Silica gel for desiccators**

With indicator changing from orange to green when absorbing humidity. Orange indicator is classified as "non toxic", avoiding to use the common blue silica gel including cobalt chloride as indicator (cobalt chloride is classified as "toxic"). Water absorption: (RH20%; 7 min) ≥ 9.0% / (RH50%; 19 min) ≥ 19% / (RH90%; 26 min) ≥ 26.0%. Regeneration: 100-120°C

reference	particle size	package	price/pack
SGE0-002-1K0	2 - 5 mm	 1 kg	
SGE0-002-3K0	2 - 5 mm	 3 kg	

**NEW** Parafilm M sealing film

Sealing film made of polyolefines and paraffin waxes. Service temperature from -45 °C up to +50 °C (melting point +60 °C). Resistant to saline solutions, most common inorganic acids and bases used in laboratory and some organics solvents (methanol, ethanol and 2-propanol). Not resistant to diethylether, chloroform, carbon tetrachloride, benzene or toluene

reference	description	pcs/pack	price/pack	average price/pc
PRFL-001-001	Parafilm 38 m x 10 cm roll	1		
PRFL-002-001	Parafilm 75 m x 5 cm roll	1		
"Saving package"				
PRFL-001-012	Parafilm 38 m x 10 cm roll	12		
PRFL-002-024	Parafilm 75 m x 5 cm roll	24		

**NEW** Parafilm M dispenser

Used for storing, dispensing and cutting Parafilm®M. Made of white acrylic. Can hold both 5 cm and 10 cm rolls, tapes & labels. Can easily cut thanks to super sharp serrated blades. Openable top lid allows easy replacement of the parafilm rolls. The dispenser does not include Parafilm

reference	external dimensions (length x width x height)	pcs/pack	price/pack
PRFL-DIS-001	180 x 120 x 160 mm	1	

**Aluminium Foil**

For packing, covering, and insulation. Packed in individual dispenser box with cutter bar. Thickness: 13 µm

reference	description	pcs/pack	price/pack
ALFO-010-001	10 m x 29 cm roll	1	
ALFO-030-001	30 m x 29 cm roll	1	
ALFO-250-001	250 m x 29 cm roll	1	

LBG



labkem



PARAFILM



astik's



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**Self-adhesive label tape**

To label all kind of laboratory container. Resistant to water and most solvents and acids. Can be used in autoclave, freezer, refrigerator and oven. To label with pencil, pen or marker. Does not leave residues when removed. Internal roll diameter 76 mm



reference	type	pcs/pack	price/pack	average price/pc
TAPE-B55-001	55 m x 19 mm roll, blue	1		
TAPE-G55-001	55 m x 19 mm roll, green	1		
TAPE-O55-001	55 m x 19 mm roll, orange	1		
TAPE-R55-001	55 m x 19 mm roll, red	1		
TAPE-W55-001	55 m x 19 mm roll, white	1		
TAPE-Y55-001	55 m x 19 mm roll, yellow	1		
4 units "Saving package"				
TAPE-B55-004	55 m x 19 mm roll, blue	4		
TAPE-G55-004	55 m x 19 mm roll, green	4		
TAPE-O55-004	55 m x 19 mm roll, orange	4		
TAPE-R55-004	55 m x 19 mm roll, red	4		
TAPE-W55-004	55 m x 19 mm roll, white	4		
TAPE-Y55-004	55 m x 19 mm roll, yellow	4		
12 units "Saving package"				
TAPE-B55-012	55 m x 19 mm roll, blue	12		
TAPE-G55-012	55 m x 19 mm roll, green	12		
TAPE-O55-012	55 m x 19 mm roll, orange	12		
TAPE-R55-012	55 m x 19 mm roll, red	12		
TAPE-W55-012	55 m x 19 mm roll, white	12		
TAPE-Y55-012	55 m x 19 mm roll, yellow	12		

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**Indicator tape for sterilization**

Self-adhesive tape with impregnated paper turning to colour when exposed to sterilization process. Tape turns from white to brown when exposed at 120 °C during 20 minutes, at 125 °C during 10 minutes or at 135 °C during 5 minutes



reference	description	pcs/pack	price/pack	average price/pc
STAP-A55-001	55 m x 19 mm roll, for autoclave	1		
"Saving package"				
STAP-A55-010	55 m x 19 mm roll, for autoclave	10		

**Edding laboratory marker**

For the special requirements of the laboratory. Available in black. Bullet nib. Fine nib for clear labelling on small surfaces. Particularly suited for smooth and transparent surfaces e.g. slides, reaction vessels, labware and labels. Quick-drying, smudge-proof, waterproof, lightfast and low-odour. Extreme resistance to abrasion and high temperatures-tested and approved by TÜV Saarland. Permanent on plastic, erasable in glass with alcohol-based cleaner



reference	stroke thickness (mm)	type	pcs/pack	price/pack	average price/pc
PLME-001-001	0,75	Edding 8015F	1		
PLME-002-001	1	Edding 8014	1		
"Saving package"					
PLME-001-010	0,75	Edding 8015F	10		
PLME-002-010	1	Edding 8014	10		

### Volumetric flask class A with plastic stopper

Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	stopper	pcs/pack	price/pack	average price/pc
VFK3-005-002	5 ml	± 0,04	10/19	2		
VFK3-010-002	10 ml	± 0,04	10/19	2		
VFK3-020-002	20 ml	± 0,04	10/19	2		
VFK3-025-002	25 ml	± 0,04	10/19	2		
VFK3-050-002	50 ml	± 0,06	12/21	2		
VFK3-100-002	100 ml	± 0,10	14/23	2		
VFK3-200-002	200 ml	± 0,15	14/23	2		
VFK3-250-002	250 ml	± 0,15	14/23	2		
VFK3-500-002	500 ml	± 0,25	19/26	2		
VFK3-1K0-002	1000 ml	± 0,40	24/29	2		
VFK3-2K0-001	2000 ml	± 0,60	29/32	1		

### Volumetric flask class A with plastic stopper

Made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Each flask has a batch number printed. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	stopper	pcs/pack	price/pack	average price/pc
VFL3-005-002	5 ml	± 0,040	10/19	2		
VFL3-010-002	10 ml	± 0,040	10/19	2		
VFL3-020-002	20 ml	± 0,040	10/19	2		
VFL3-025-002	25 ml	± 0,040	10/19	2		
VFL3-050-002	50 ml	± 0,060	12/21	2		
VFL3-100-002	100 ml	± 0,100	14/23	2		
VFL3-200-002	200 ml	± 0,150	14/23	2		
VFL3-250-002	250 ml	± 0,150	14/23	2		
VFL3-500-002	500 ml	± 0,250	19/26	2		
VFL3-1K0-002	1000 ml	± 0,400	24/29	2		
VFL3-2K0-001	2000 ml	± 0,600	29/32	1		

### Volumetric flask class A according to USP

Made of top quality 3.3 borosilicate glass. With plastic stopper. Designed according to ISO 1042, DIN 12664, USP standards and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each flask according to DIN 12600. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has a batch number printed. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	stopper	pcs/pack	price/pack	average price/pc
VFH3-005-002	5 ml	± 0,020	10/19	2		
VFH3-010-002	10 ml	± 0,020	10/19	2		
VFH3-020-002	20 ml	± 0,030	10/19	2		
VFH3-025-002	25 ml	± 0,030	10/19	2		
VFH3-050-002	50 ml	± 0,050	12/21	2		
VFH3-100-002	100 ml	± 0,080	14/23	2		
VFH3-200-002	200 ml	± 0,100	14/23	2		
VFH3-250-002	250 ml	± 0,120	14/23	2		
VFH3-500-002	500 ml	± 0,200	19/26	2		
VFH3-1K0-002	1000 ml	± 0,300	24/29	2		
VFH3-2K0-001	2000 ml	± 0,500	29/32	1		

LBG



GLASCO



GLASCO







### Volumetric flask class A according to USP with individual certificate

Made of top quality 3.3 borosilicate glass. With plastic stopper. Designed according to ISO 1042, DIN 12664 and USP standards. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has its own individual serial number printed. An individual calibration certificate showing the real volume of this particular flask is delivered

reference	capacity	accuracy (ml)	stopper	pcs/pack	price/pack	average price/pc
VFC3-005-001	5 ml	± 0,020	10/19	1		
VFC3-010-001	10 ml	± 0,020	10/19	1		
VFC3-020-001	20 ml	± 0,030	10/19	1		
VFC3-025-001	25 ml	± 0,030	10/19	1		
VFC3-050-001	50 ml	± 0,050	12/21	1		
VFC3-100-001	100 ml	± 0,080	14/23	1		
VFC3-200-001	200 ml	± 0,100	14/23	1		
VFC3-250-001	250 ml	± 0,120	14/23	1		
VFC3-500-001	500 ml	± 0,200	19/26	1		
VFC3-1K0-001	1000 ml	± 0,300	24/29	1		
VFC3-2K0-001	2000 ml	± 0,500	29/32	1		



### Volumetric flask amber class A with plastic stopper

Made of top quality 3.3 amber borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Each flask has a batch number printed. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	stopper	pcs/pack	price/pack	average price/pc
VFLA-005-002	5 ml	± 0,040	10/19	2		
VFLA-010-002	10 ml	± 0,040	10/19	2		
VFLA-020-002	20 ml	± 0,040	10/19	2		
VFLA-025-002	25 ml	± 0,040	10/19	2		
VFLA-050-002	50 ml	± 0,060	12/21	2		
VFLA-100-002	100 ml	± 0,100	14/23	2		
VFLA-200-002	200 ml	± 0,150	14/23	2		
VFLA-250-002	250 ml	± 0,150	14/23	2		
VFLA-500-002	500 ml	± 0,250	19/26	2		
VFLA-1K0-002	1000 ml	± 0,400	24/29	2		

**Kartell**



### Volumetric Flask, polypropylene with plastic stopper

Made of polypropylene with high clarity. Autoclavable. Thin neck without meniscus for a optimal reading. Calibrated with aravimetric method at 20°C

reference	capacity	h (mm)	Ø <sub>base</sub> (mm)	screw	pcs/pack	price/pack	average price/pc
VFKP-025-005	25 ml	121	36	GL18	5		
VFKP-050-005	50 ml	143	46	GL18	5		
VFKP-100-005	100 ml	174	58	GL18	5		
VFKP-250-002	250 ml	225	82	GL25	2		
VFKP-500-002	500 ml	265	100	GL25	2		
VFKP-1K0-001	1000 ml	325	120	GL25	1		

**LBG**



### Pycnometer for solids

Made of 3.3 borosilicate glass, calibrated at 20 °C

reference	capacity	accuracy (ml)	pcs/pack	price/pack
SPY3-025-001	25 ml	± 2,0	1	
SPY3-050-001	50 ml	± 3,0	1	
SPY3-100-001	100 ml	± 3,0	1	

### Pycnometer Gay-Lussac for liquids with PTFE stopper

Made of 3.3 borosilicate glass, according to ISO 3507 and calibrated at 20 °C, without certificate

reference	capacity	accuracy (ml)	pcs/pack	price/pack	average price/pc
PYC3-P10-002	10 ml	± 1,0	2		
PYC3-P25-002	25 ml	± 2,0	2		
PYC3-P50-002	50 ml	± 3,0	2		
PYC3-10P-002	100 ml	± 3,0	2		

### NEW Set of measuring cylinder hexagonal base, class B

Contains one unit of each of the following capacities: 10, 25, 50, 100, 250, 500 and 1000 ml. Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacities	pcs/pack	price/pack
MCH3-KIT-001	10, 25, 50, 100, 250, 500, 1000 ml	1	

### Measuring cylinder hexagonal base, class B

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	∅ (mm)	h (mm)	pcs/pack	price/pack
MCH3-005-001	5 ml	± 0,1	0,1	13	112	1	
MCH3-010-001	10 ml	± 0,2	0,2	14	137	1	
MCH3-025-001	25 ml	± 0,5	0,5	21	167	1	
MCH3-050-001	50 ml	± 1,0	0,5	25	196	1	
MCH3-100-001	100 ml	± 1,0	1	29	256	1	
MCH3-250-001	250 ml	± 2,0	2	43	305	1	
MCH3-500-001	500 ml	± 5,0	5	53	360	1	
MCH3-1K0-001	1000 ml	± 10	10	68	440	1	
MCH3-2K0-001	2000 ml	± 20	20	85	500	1	

### Measuring cylinder hexagonal base, class A

Made of top quality 3.3 borosilicate glass. In compliance with ISO 4788, USP and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each measuring cylinder according to DIN 12600. Calibrated to contain (TC, In). Each measuring cylinder has a batch number printed on it. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
MCHA-010-001	10 ml	± 0,10	0,2	1	
MCHA-025-001	25 ml	± 0,25	0,5	1	
MCHA-050-001	50 ml	± 0,50	1	1	
MCHA-100-001	100 ml	± 0,50	1	1	
MCHA-250-001	250 ml	± 1,00	2	1	
MCHA-500-001	500 ml	± 2,50	5	1	
MCHA-1K0-001	1000 ml	± 5,00	10	1	
MCHA-2K0-001	2000 ml	± 10,00	20	1	



LBG



LBG



LBG



### Measuring cylinder hexagonal base, with plastic stopper, class B

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Ground mouth and plastic stopper. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	Ø (mm)	h (mm)	stopper	pcs/pack	price/pack
MCHS-050-001	50 ml	± 1,0	1	25	196	14/23	1	
MCHS-100-001	100 ml	± 1,0	1	29	256	24/29	1	
MCHS-250-001	250 ml	± 2,0	2	43	305	29/32	1	
MCHS-500-001	500 ml	± 5,0	5	53	360	45/40	1	
MCHS-1K0-001	1000 ml	± 10	10	68	440	45/40	1	

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### Measuring cylinder hexagonal base, polypropylene, class B

With raised graduations. Autoclavable at 121 °C

reference	capacity	graduation (ml)	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
MCHP-010-012	10 ml	0,2	15	140	12		
MCHP-025-012	25 ml	0,5	20	195	12		
MCHP-050-012	50 ml	1	28	200	12		
MCHP-100-012	100 ml	1	30	250	12		
MCHP-250-006	250 ml	2	45	350	6		
MCHP-500-004	500 ml	5	55	365	4		
MCHP-1K0-003	1000 ml	10	70	440	3		

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### Measuring cylinder hexagonal base, PMP, class B

Made of Polymethylpentene (PMP/TPX®). Higher transparency, chemical resistance and heat tolerance than PP. Autoclavable. Easy to read relief graduations. According to ISO 6706

reference	capacity	graduation (ml)	accuracy (ml)	Ø (mm)	h (mm)	pcs/pack	price/pack
MCHX-010-001	10 ml	0,2	± 0,2	13,6	147,2	1	
MCHX-025-001	25 ml	0,5	± 0,5	20,15	170	1	
MCHX-050-001	50 ml	1	± 1	25,78	199,5	1	
MCHX-100-001	100 ml	1	± 1	30,85	249,5	1	
MCHX-250-001	250 ml	2	± 2	40,15	326,5	1	
MCHX-500-001	500 ml	5	± 5	52,5	389,6	1	
MCHX-1K0-001	1000 ml	10	± 10	65,5	460,8	1	
MCHX-2K0-001	2000 ml	20	± 20	83	535,8	1	

LBG

### Volumetric pipette with one mark, class A

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	color code	pcs/pack	price/pack	average price/pc
VPIA-001-006	1 ml	± 0,007	blue	6		
VPIA-002-006	2 ml	± 0,01	orange	6		
VPIA-005-006	5 ml	± 0,015	white	6		
VPIA-010-006	10 ml	± 0,02	red	6		
VPIA-015-006	15 ml	± 0,025	green	6		
VPIA-020-006	20 ml	± 0,03	yellow	6		
VPIA-025-006	25 ml	± 0,03	blue	6		
VPIA-050-001	50 ml	± 0,05	red	1		
VPIA-100-001	100 ml	± 0,08	yellow	1		



### Volumetric pipette with one mark, class A, according to USP

With coding band (according to ISO 1769), and designed according to ISO 648 standards, USP standards and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each volumetric pipette according to DIN 12600. USP standards are more accurate than ISO 1042. Calibrated to deliver (TD, Ex) at + 20 °C. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	color code	pcs/pack	price/pack	average price/pc
VPIH-001-005	1 ml	± 0,006	blue	5		
VPIH-002-005	2 ml	± 0,006	orange	5		
VPIH-005-005	5 ml	± 0,010	white	5		
VPIH-010-005	10 ml	± 0,02	red	5		
VPIH-020-005	20 ml	± 0,03	yellow	5		
VPIH-025-005	25 ml	± 0,03	blue	5		
VPIH-050-005	50 ml	± 0,05	red	5		
VPIH-100-005	100 ml	± 0,08	yellow	5		

### Volumetric pipette with two marks, class A

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	color code	pcs/pack	price/pack	average price/pc
VPI2-001-006	1 ml	± 0,007	blue	6		
VPI2-002-006	2 ml	± 0,01	orange	6		
VPI2-005-006	5 ml	± 0,015	white	6		
VPI2-010-006	10 ml	± 0,02	red	6		
VPI2-015-006	15 ml	± 0,025	green	6		
VPI2-020-006	20 ml	± 0,03	yellow	6		
VPI2-025-006	25 ml	± 0,03	blue	6		
VPI2-050-001	50 ml	± 0,05	red	1		
VPI2-100-001	100 ml	± 0,08	yellow	1		

### Glass measuring pipette, class A

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. Calibrated to deliver (TD, Ex). Normal graduation (zero on top). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	color code	pcs/pack	price/pack	average price/pc
MPIA-0A1-005	0,1 ml	± 0,002	0,001	green	5		
MPIA-0A2-005	0,2 ml	± 0,003	0,002	white	5		
MPIA-0A5-005	0,5 ml	± 0,006	0,005	green	5		
MPIA-001-005	1 ml	± 0,008	0,01	yellow	5		
MPIA-002-005	2 ml	± 0,012	0,02	black	5		
MPIA-005-005	5 ml	± 0,025	0,05	red	5		
MPIA-010-005	10 ml	± 0,05	0,1	orange	5		
MPIA-020-005	20 ml	± 0,1	0,1	yellow	5		
MPIA-025-005	25 ml	± 0,1	0,1	white	5		

### Pipette stand, rotary

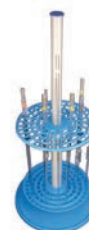
Polypropylene. Suitable for pipettes up to 10 mm of diameter

reference	type	pcs/pack	price/pack
PSRP-094-001	up to 94 pipettes	1	









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### Glass measuring pipette, class A Premium Line

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. With safety bulb and batch number printed on the flask. Normal graduation (zero at top). Indelible amber graduation. Calibrated to deliver (TD, Ex). Batch certificate included

reference	capacity	accuracy (ml)	graduation (ml)	color code	pcs/pack	price/pack	average price/pc
MPI2-001-005	1 ml	± 0,006	0,01	yellow	5		
MPI2-002-005	2 ml	± 0,010	0,01	black	5		
MPI2-005-005	5 ml	± 0,030	0,05	red	5		
MPI2-010-005	10 ml	± 0,050	0,10	orange	5		
MPI2-020-004	20 ml	± 0,100	0,10	yellow	4		
MPI2-025-004	25 ml	± 0,100	0,10	white	4		



LBG

### Glass measuring pipette, class A, inverted graduation, Premium Line

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. With safety bulb and batch number printed on the flask. Inversed graduation (zero at tip). Indelible amber graduation. Calibrated to deliver (TD, Ex). Batch certificate included

reference	capacity	accuracy (ml)	graduation (ml)	color code	pcs/pack	price/pack	average price/pc
MPI2-P01-005	1 ml	± 0,006	0,01	yellow	5		
MPI2-P02-005	2 ml	± 0,010	0,01	black	5		
MPI2-P05-005	5 ml	± 0,030	0,05	red	5		
MPI2-P10-005	10 ml	± 0,050	0,10	orange	5		
MPI2-P20-004	20 ml	± 0,100	0,10	yellow	4		
MPI2-P25-004	25 ml	± 0,100	0,10	white	4		



clink

### Pipette sterilising can

Made of stainless steel

reference	∅ (mm)	h (cm)	pcs/pack	price/pack
STPS-R50-001	50	50	1	



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### Burette clamps

Available in polypropylene and painted aluminium

reference	type	pcs/pack	price/pack
BCFP-001-001	made in polypropylene for 1 burette	1	
BCFP-002-001	made in polypropylene for 2 burettes	1	
BCFS-002-001	made in painted aluminium for 2 burettes	1	

## BATCH CERTIFICATES

All volumetric glassware material (measuring cylinders, flasks, pipettes and burettes) made on the same production date do have the same batch number. During the quality control process each piece is verified individually, dismissing those not fulfilling the maximum tolerances permitted. The batch certificate mention the average value obtained for all the pieces of the same batch, the standard deviation and the control date.

This batch certificate can be downloaded free of charge at [www.labbox.com](http://www.labbox.com)

## INDIVIDUAL CALIBRATION CERTIFICATE

Glassware with an individual certificate do have an individual serial number added to the batch number. They are delivered with a certificate showing the real volume of this particular flask.

### Plastic Burette with PTFE straight stopcock

Transparent body made of PMMA (polymethylmethacrylate) and self-lubricated PTFE stopcock. The acrylic body is resistant to diluted acids and bases, except HCl and NaOH

reference	capacity	accuracy (ml)	graduation (ml)	$l_{\text{total}}$ (ml)	pcs/pack	price/pack
BURP-025-001	25 ml	± 0,05	0,1	570	1	
BURP-050-001	50 ml	± 0,05	0,1	730	1	
BURP-100-001	100 ml	± 0,05	0,2	820	1	

### Burette with glass straight stopcock, class A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BURN-010-001	10 ml	± 0,025	0,05	1	
BURN-025-001	25 ml	± 0,04	0,1	1	
BURN-050-001	50 ml	± 0,05	0,1	1	

### Burette with PTFE straight stopcock, class A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BURT-010-001	10 ml	± 0,025	0,05	1	
BURT-025-001	25 ml	± 0,04	0,1	1	
BURT-050-001	50 ml	± 0,05	0,1	1	
BURT-100-001	100 ml	± 0,1	0,2	1	

### Burette with PTFE straight stopcock and funnel top, class A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). With funnel top to make filling easier and safer. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BURT-F10-001	10 ml	± 0,025	0,05	1	
BURT-F25-001	25 ml	± 0,04	0,1	1	
BURT-F50-001	50 ml	± 0,05	0,1	1	

NEW

### Burette with PTFE straight stopcock, Schellbach type, class A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). With funnel top to make filling easier and safer. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BURT-S10-001	10 ml	± 0,025	0,05	1	
BURT-S25-001	25 ml	± 0,04	0,1	1	
BURT-S50-001	50 ml	± 0,05	0,1	1	

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### Burette with screw type needle valve PTFE stopcock, class A

Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385 and USP. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BURS-010-001	10 ml	± 0,03	0,05	1	
BURS-025-001	25 ml	± 0,05	0,10	1	
BURS-050-001	50 ml	± 0,05	0,10	1	



### Burette with screw type needle valve PTFE stopcock, Schellbach type, class A

Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385, USP and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official German "H" sign on each burette according to DIN 12600. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	pcs/pack	price/pack
BUBS-010-001	10 ml	± 0,03	0,05	1	
BUBS-025-001	25 ml	± 0,05	0,10	1	
BUBS-050-001	50 ml	± 0,05	0,10	1	

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### Schilling burette

1 litre PE reservoir with stable LDPE base. PMP burette with push button for drop-by-drop delivery. According to DIN 12700 standards, Class B

reference	capacity	graduation (ml)	pcs/pack	price/pack
SBUP-025-001	25 ml	0,1 mm	1	
SBUP-050-001	50 ml	0,1 mm	1	



### Automatic table burette class A

Made of top quality 3.3 borosilicate glass. With two PTFE stopcock and transparent filling reservoir. Richardson bulb included. Batch certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	accuracy (ml)	graduation (ml)	reservoir bottle	ground	pcs/pack	price/pack
ABU3-010-001	10 ml	± 0,03	0,05	500 ml	24/29	1	
ABU3-025-001	25 ml	± 0,05	0,10	2000 ml	29/32	1	
ABU3-050-001	50 ml	± 0,05	0,10	2000 ml	29/32	1	

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### Richardson bulb for automatic burettes

Made of red rubber. With a net around the bulb

reference	capacity	type	pcs/pack	price/pack
RBER-001-001	500 ml	small	1	
RBER-002-001	1000 ml	big	1	





### Glass Pasteur pipettes

Made of soda-lime glass

reference	l (mm)	pcs/pack	price/pack	average price/pc
PIPN-150-250	150	250		
PIPN-230-250	230	250		
"Saving package"				
PIPN-150-2K0	150	8 x 250		
PIPN-230-2K0	230	8 x 250		

### Rubber bulb for glass Pasteur pipettes

Made of natural latex rubber

reference	capacity	l (mm)	pcs/pack	price/pack	average price/pc
TELX-002-100	2 ml	40	100		

### Polyethylene graduated transfer Pasteur pipettes, sterile

Individually wrapped in peel-pack packaging. EO (Ethylene oxide) sterilized. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	description	pcs/pack	price/pack	average price/pc
PIPP-E01-1K0	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	1000		
PIPP-E03-1K0	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	1000		

### Polyethylene graduated transfer Pasteur pipettes, non-sterile

Packed in dispenser box

reference	description	pcs/pack	price/pack	average price/pc
PIPP-001-500	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	500		
PIPP-002-500	graduated each 0.5 ml up to 2 ml, overall vol. 5 ml	500		
PIPP-003-500	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	500		
"Saving package"				
PIPP-001-5K0	graduated each 0.25 ml up to 1 ml, overall vol. 5 ml	10 x 500		
PIPP-003-5K0	graduated each 0.5 ml up to 3 ml, overall vol. 7 ml	10 x 500		

### Polyethylene non-graduated transfer Pasteur pipettes, non-sterile

Packed in dispenser box

reference	description	pcs/pack	price/pack	average price/pc
PIPP-012-500	overall vol. 1.2 ml, length: 65 mm (A)	500		
PIPP-045-500	overall vol. 4.5 ml, length: 155 mm, 25 drops/ml (B)	500		
PIPP-050-500	overall vol. 5 ml, length: 155 mm, 23 drops/ml (C)	500		
PIPP-058-500	fine tip, overall vol. 5.8 ml, length: 156 mm, 50 drops/ml (D)	500		
PIPP-080-250	overall vol. 8 ml, length: 157 mm, 20 drops/ml (E)	250		
PIPP-230-100	extra-large, overall vol. 23 ml, length: 300 mm (F)	100		

### Polyethylene non-graduated transfer Pasteur pipettes, sterile

Individually wrapped in flow-pack packaging. EO (Ethylene oxide) sterilized. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	description	pcs/pack	price/pack	average price/pc
PIPP-E80-1K0	overall vol. 8 ml, length: 157 mm, 20 drops/ml	1000		

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### Disposable syringes, sterile

Two-part. Luer cone. Single packed. EO (Ethylene oxide) sterilized. According to ISO 13485. For lab use only, not for medical use. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	pcs/pack	price/pack	average price/pc
SYRI-002-100	2 ml	100		
SYRI-005-100	5 ml	100		
SYRI-010-100	10 ml	100		
SYRI-020-080	20 ml	80		

EASY

### EASY 5 rubber pipette filler

Red natural rubber. With 3 valves for filling, delivery and air release

reference	type	pcs/pack	price/pack	average price/pc
EAS5-001-001	standard: for pipettes up to 10 ml	1		
EAS5-002-001	long: for pipettes up to 100 ml	1		
"Saving package"				
EAS5-001-025	standard: for pipettes up to 10 ml	25		
EAS5-002-025	long: for pipettes up to 100 ml	25		



EASY

### EASY 8 pipette pump filler

Made off ABS. With wheel and piston, for easy one-hand control of filling and delivery from any glass or plastic pipettes

reference	type	pcs/pack	price/pack	average price/pc
EAS8-002-001	blue: up to 2 ml pipettes	1		
EAS8-010-001	green: up to 10 ml pipettes	1		
EAS8-025-001	red: up to 25 ml pipettes	1		
"Saving package"				
EAS8-002-010	blue: up to 2 ml pipettes	10		
EAS8-010-010	green: up to 10 ml pipettes	10		
EAS8-025-010	red: up to 25 ml pipettes	10		



EASY

### EASY 9 pipette controller with filter

To fill and dispense liquid in glass and plastic pipettes from 0.1 to 100 ml. Autoclavable silicone pipette holder. Includes an inner 3.0 µm spare part filter to prevent liquid entrance. Warranty 2 years

reference	type	pcs/pack	price/pack
EAS9-001-001	for 0.1 - 100 ml pipettes	1	
Accessories and spare parts			
EAS9-FIL-002	3.0 µm filter for EASY 9	2	



EASY

### EASY 60β electronic pipette filling device

Ergonomic and lightweight design, easy to handle with one hand. For easy, secure and efficient liquid filling and delivery. Can be used with glass or plastic pipettes from 0.1 to 100 ml. Autoclavable hydrophobic 0.45 µm filter preventing excess aspiration. 2 years warranty

reference	description	pcs/pack	price/pack
EASY-B60-001	EASY 60β	1	
Accessories and spare parts			
EASY-A01-001	0,45 µm filter for EASY 60β	1	



### EASY 60+ electronic pipette filling device

For easy, secure and efficient liquid filling and delivery. An inner PTFE 0.2  $\mu\text{m}$  filter and a security valve prevent any liquid entrance in the device. The cone fixing the pipettes is autoclavable up to 121 °C. Can be used with glass or plastic pipettes from 0.1 to 200 ml. Easy to use, ergonomical and one-hand control. Wall hanger device and internal rechargeable battery included. 1 year warranty

reference	description	pcs/pack	price/pack
EASY-P60-001	EASY 60+ Pipette filling device, 230 V	1	
Accessories and spare parts			
EASY-FIL-005	EASY 60+ spare filter	5	
EASY-CON-001	EASY 60+ spare fixing cone made of silicone	1	
EASY-BAT-002	set of 2 Ni-MH batteries for EASY 60+	2	

### EASY 20K bottle top dispenser

Good chemical resistance. Made of PTFE, 3.3 borosilicate glass, polypropylene and FEP. High reproducibility of the volumes. The instrument can be screwed directly onto a GL 45 screwthread. For other bottles, use the accompanying adapters for the most common threads in laboratory bottles. Easy to clean and maintain. Autoclavable at 121 °C. This instrument is designed for dispensing liquids, observing the following limits: temperature range: +15 to 40 °C of instrument and reagent, vapor pressure up to 500 mbar, density up to 2.2 g/cm<sup>3</sup> and the viscosity up to 500 mm<sup>2</sup>/s. Warranty 2 years. Check the complete table of chemical compatibilities on our website [www.labbox.com](http://www.labbox.com). Bottle not included

reference	capacity	incr.	accu.	prec.	adapters	pcs/pack	price/pack
EAS2-K05-001	0,5 - 5,0 ml	0,10 ml	± 0,025 ml	0,005 ml	GL 25, 28, 32, 38, S40	1	
EAS2-K10-001	1,0 - 10,0 ml	0,20 ml	± 0,05 ml	0,010 ml	GL 25, 28, 32, 38, S40	1	
EAS2-K25-001	2,5 - 25,0 ml	0,50 ml	± 0,125 ml	0,025 ml	GL 32, 38, S40	1	
EAS2-K50-001	5,0 - 50,0 ml	1,00 ml	± 0,250 ml	0,050 ml	GL 32, 38, S40	1	

NEW

### EASY 20R+ bottle top dispenser with recirculation

Excellent chemical resistance. Made of borosilicate glass and high chemical resistance materials. High reproducibility of the measurements. Re-circulable valve that prevents liquid leaks. Security lock. Includes calibration tool and 4 universal adapters for bottles. Easy to clean and maintain due to a springless valve design. Autoclavable at 121 °C. This instrument is designed for dispensing liquids, under the following conditions of use: temperature range: +15 to 40 °C (instrument and reagent), vapor pressure up to 500 mbar, density up to 2.2 g/cm<sup>3</sup> and viscosity up to 500 mm<sup>2</sup>/s. 2 years warranty. Each dispenser has been calibrated individually as per EN-ISO 8655. It has a unique serial number engraved and is delivered with a calibration certificate. Check the complete table of chemical compatibilities on our website [www.labbox.com](http://www.labbox.com)

reference	capacity	incr.	accu.	prec.	adapters	pcs/pack	price/pack
EAS2-R05-001	0,5 - 5 ml	0,1 ml	± 0,025 ml	0,01 ml	GL 28, 38, 45, S40	1	
EAS2-R10-001	1 - 10 ml	0,2 ml	± 0,050 ml	0,02 ml	GL 28, 38, 45, S40	1	
EAS2-R25-001	2,5 - 25 ml	0,5 ml	± 0,125 ml	0,05 ml	GL 28, 38, 45, S40	1	
EAS2-R50-001	5 - 50 ml	1,00 ml	± 0,250 ml	0,1 ml	GL 28, 38, 45, S40	1	

### "Calibration certificate for fixed volume micropipettes

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). The calibration procedure includes calibration at 1 point according to UNE-EN ISO 8655 standards (100% of the nominal volume). The laboratory issues calibration certificates for the micropipettes in digital format. Note: to certify a micropipette it is important to indicate the company name in order to issue the certificate. Delivery time 10 days

reference	description	pcs/pack	price/pack
CERM-E01-001	ENAC certificate for fixed volume micropipettes (1 volume, 10 repetitions)	1	

EASY



EASY



EASY



ASSI



ASSI<sup>o</sup>

### “Calibration certificate for variable volume micropipettes

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). The standard calibration procedure includes the 3-point calibration according to UNE-EN ISO 8655 (1<sup>st</sup> point to 100% of the nominal volume, 2<sup>nd</sup> point to 50% of the nominal volume and 3<sup>rd</sup> point to the lower limit of the useful volume range or 10% of the nominal volume, whichever is higher). The laboratory issues calibration certificates for the micropipettes in digital format. Note: to certify a micropipette it is important to indicate the company name in order to issue the certificate. Delivery time 10 days

reference	description	pcs/pack	price/pack
CERM-E02-001	ENAC certificate for variable volume micropipettes (3 volume, 10 repetitions)	1	

EASY

### EASY 30 + fixed volume micropipette

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum body heat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. See the spare parts available for these micropipettes on our website: [www.labbox.com](http://www.labbox.com). 1 year warranty

reference	capacity	accuracy	precision	pcs/pack	price/pack
EASC-10P-001	100 µl	±0,5%	±0,3%	1	
EASC-20P-001	200 µl	±0,4%	±0,2%	1	
EASC-50P-001	500 µl	±0,3%	±0,2%	1	
EASC-1KP-001	1000 µl	±0,3%	±0,15%	1	

EASY

### EASY 40 + variable volume micropipette

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum body heat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Accurate volume adjustment with an audible “click” signal to avoid mistakes. Each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. See the spare parts available for these micropipettes on our website: [www.labbox.com](http://www.labbox.com). 1 year warranty

reference	capacity	increment	accuracy	precision	pcs/pack	price/pack
EASD-P02-001	0,1 - 2,5 µl	0,01 µl	±12,0% - 2,5%	±6,0% - 1,6%	1	
EASD-P10-001	0,5 - 10 µl	0,1 µl	±2,5% - 1,0%	±1,5% - 0,8%	1	
EASD-P20-001	2 - 20 µl	0,1 µl	±2,0% - 1,8%	±2,0% - 0,4%	1	
EASD-P50-001	5 - 50 µl	0,5 µl	±3,0% - 0,9%	±2,0% - 0,3%	1	
EASD-10P-001	10 - 100 µl	0,5 µl	±3,0% - 0,8%	±1,5% - 0,15%	1	
EASD-20P-001	20 - 200 µl	1,0 µl	±2,0% - 0,6%	±0,8% - 0,15%	1	
EASD-1KP-001	100 - 1000 µl	5,0 µl	±2,0% - 0,6%	±0,7% - 0,2%	1	
EASD-5KP-001	500 - 5000 µl	50,0 µl	±2,0% - 0,5%	±0,6% - 0,2%	1	
EASD-10K-001	1000 - 10000 µl	100,0 µl	±3,0% - 0,6%	±0,6% - 0,2%	1	

EASY

### Accessories for EASY micropipettes

Stands for 4 or 6 micropipettes EASY 30+, EASY 40+ and EASY 40 Elite

reference	description	pcs/pack	price/pack
EASS-P04-001	linear stand for 4 micropipettes EASY 30+ and 40+	1	
EASS-P06-001	linear stand for 6 micropipettes EASY 30+ and 40+	1	
EASS-R06-001	round stand for 6 micropipettes EASY 40 Elite	1	
EASS-L06-001	linear stand for 6 micropipettes EASY 40 Elite	1	



### EASY 40 Elite variable volume micropipette

Micropipettes of "Elite" series are the result of manufacturing with new and innovative materials. The new micropipettes EASY 40 Elite series offer a light and ergonomic design, clear and easy-to-read display with large numbers and small increments. Intuitive operation with one hand. Fully autoclavable at 121°C without disassembling. Easy calibration and maintenance. Besides each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. 2 years warranty

reference	capacity	increment	accuracy	precision	pcs/pack	price/pack
EASD-E02-001	0,1 - 2,5 µl	0,05 µl	±12,0% - 2,5%	±6,0% - 2,0%	1	
EASD-E10-001	0,5 - 10 µl	0,1 µl	±2,5% - 1,0%	±1,5% - 0,8%	1	
EASD-E20-001	2 - 20 µl	0,5 µl	±3,0% - 0,9%	±2,0% - 0,4%	1	
EASD-E50-001	5 - 50 µl	0,5 µl	±2,0% - 0,6%	±2,0% - 0,3%	1	
EASD-10E-001	10 - 100 µl	1,0 µl	±3,0% - 0,8%	±1,5% - 0,15%	1	
EASD-20E-001	20 - 200 µl	1,0 µl	±3,0% - 0,6%	±1,0% - 0,15%	1	
EASD-1KE-001	100 - 1000 µl	5,0 µl	±2,0% - 0,6%	±0,7% - 0,2%	1	
EASD-5KE-001	1000 - 5000 µl	50,0 µl	±0,7% - 0,5%	±0,3% - 0,15%	1	

### EASY W variable volume motorized digital micropipette,

Innovative digital micropipette that combines the easy handling of a manual micropipette with the functions of an electronic micropipette: Pipetting, Mixing, Stepper and Dilution. Designed for maximum performance, accuracy and simple operation, can eliminate manual pipetting errors. Ergonomic design and small body dimensions to reduce hand and finger tiredness. Light weight, nearly equal to a manual pipette. Easy selfcalibration system and USB port to connect the PC, allows you to calibrate using the manufacturer's software. Lithium-ion battery. Includes a wall stand with charging function. Each electronic micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. 2 years warranty

reference	capacity	increment	accuracy	precision (CV)	pcs/pack	price/pack
EASW-010-001	0,5 - 10 µl	0,01 µl	±3,5% - 1,0%	3,0% - 0,5%	1	
EASW-050-001	5 - 50 µl	0,1 µl	±3,0% - 0,8%	2,5% - 0,3%	1	
EASW-300-001	30 - 300 µl	1 µl	±3,0% - 0,6%	0,7% - 0,2%	1	
EASW-1K0-001	100 - 1000 µl	5 µl	±3,0% - 0,6%	0,6% - 0,2%	1	

### Micropipette tips, polypropylene, 0,5 - 10 µl Standard Line

Loose tips in bags. Two types available: Gilson type (compatible with EASY 40+, Gilson, HTL, Biohit, Finnpipette, Jencons, Genex, Nichiryo, Kartell) and Eppendorf type (compatible with EASY 40 Elite, Eppendorf, Gilson, Biohit, Brand, Socorex, HTL). Natural color

reference	type	pcs/pack	price/pack	average price/pc
TIPP-010-1K0	0.5 - 10 µl Gilson type (A)	1000		
TIPP-011-1K0	0.5 - 10 µl Eppendorf type (B)	1000		
"Saving package"				
TIPP-010-40K	0.5 - 10 µl Gilson type (A)	40 x 1000		
TIPP-011-20K	0.5 - 10 µl Eppendorf type (B)	20 x 1000		

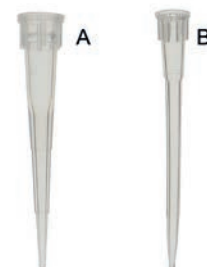
EASY



EASY



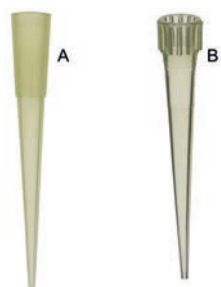
astik's



astik's

**Micropipette tips, polypropylene, 2 - 200 µl Standard Line**

Loose tips in bags. Two models available: Gilson type (compatible with EASY 40+, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex) and Eppendorf type (compatible with EASY 40 Elite, Eppendorf, Socorex, Nichiryo, Biohit, Brand)



reference	type	pcs/-pack	price/-pack	average price/pc
TIPP-200-1K0	2 - 200 µl Gilson type, yellow (A)	1000		
TIPP-201-1K0	2 - 200 µl Eppendorf type, yellow (B)	1000		
"Saving package"				
TIPP-200-10K	2 - 200 µl Gilson type, yellow (A)	10 x 1000		
TIPP-201-10K	2 - 200 µl Eppendorf type, yellow (B)	10 x 1000		

astik's

**Micropipette tips, polypropylene, 2 - 200 µl in a rack Standard Line**

Rack of 96 polypropylene tips in a transparent polycarbonate box and cover. Two models of tips available: Gilson type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex) and Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo, Biohit, Brand). Autoclavable at 121 °C

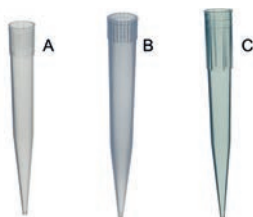


reference	type	pcs/-pack	price/-pack	average price/pc
TIPB-200-096	2 - 200 µl Gilson type, yellow	96		
TIPB-201-096	2 - 200 µl Eppendorf type, yellow	96		
In 10 racks tower				
TIPB-200-960	2 - 200 µl Gilson type, yellow	10 x 96		
TIPB-201-960	2 - 200 µl Eppendorf type, yellow	10 x 96		

astik's

**Micropipette tips, polypropylene, 100 - 1000 µl Standard Line**

Loose tips in bags. Three models available: Gilson type (specially designed for Gilson Pipetman), Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo Biohit, Brand) and Universal type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpiquette, Jencons, Genex, Nichiryo, Kartell, Socorex)



reference	type	pcs/-pack	price/-pack	average price/pc
TIPP-1K0-1K0	100 - 1000 µl Gilson type, blue (A)	1000		
TIPP-1K1-1K0	100 - 1000 µl Eppendorf type, blue (B)	1000		
TIPP-1K2-1K0	100 - 1000 µl universal type, blue (C)	1000		
"Saving package"				
TIPP-1K0-10K	100 - 1000 µl Gilson type, blue (A)	10 x 1000		
TIPP-1K1-10K	100 - 1000 µl Eppendorf type, blue (B)	10 x 1000		
TIPP-1K2-10K	100 - 1000 µl universal type, blue (C)	10 x 1000		

astik's

**Micropipette tips, polypropylene, 100 - 1000 µl in a rack Standard Line**

Rack of 96 tips in a transparent polycarbonate box and cover. Gilson type tips (specially designed for Gilson Pipetman). Autoclavable at 121 °C



reference	type	pcs/-pack	price/-pack	average price/pc
TIPB-1K0-096	100 - 1000 µl Gilson type, blue (A)	96		
In 5 racks tower				
TIPB-1K0-480	100 - 1000 µl Gilson type, blue (A)	5 x 96		

astik's

**Micropipette tips, polypropylene, 1-5 ml Standard Line**

Loose tips in bags. Gilson type, compatible with Gilson, Socorex. Natural color



reference	type	pcs/-pack	price/-pack	average price/pc
TIPP-5K0-250	1 - 5 ml, Gilson type	250		

**NEW** **Micropipette tips, polypropylene, 10 µl, Premium Line**

High quality tips specifically designed for PCR. Graduated. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, HTL, Biohit, CAPP and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAD-010-096	10 µl PCR type, sterile, in rack	96		
TIAD-010-1K0	10 µl PCR type, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAD-010-960	10 µl PCR type, sterile, in rack	10 x 96		

astik's

**NEW** **Micropipette tips, polypropylene, 20 µl, Premium Line**

High quality tips specifically designed to reach the bottom of narrow microtubes. Graduated. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, HTL, Biohit, CAPP and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAD-020-096	20 µl long type, sterile, in rack	96		
TIAD-020-1K0	20 µl long type, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAD-020-960	20 µl long type, sterile, in rack	10 x 96		

astik's

**NEW** **Micropipette tips, polypropylene, 200 µl, Premium Line**

High quality tips with graduation lines of 10, 50, 100 and 200 µl serving as a visual reference to minimize errors during sample aspiration. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, HTL, Biohit, Eppendorf, CAPP, Finnpiette, Rainin, Socorex and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAD-200-096	200 µl universal type, sterile, in rack	96		
TIAD-200-1K0	200 µl universal type, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAD-200-960	200 µl universal type, sterile, in rack	10 x 96		

astik's

**NEW** **Micropipette tips, polypropylene, 300 µl, Premium Line**

High quality tips with graduation lines of 10, 100 and 200 µl serving as a visual reference to minimize errors during sample aspiration. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, HTL, Biohit, Eppendorf, CAPP, Finnpiette, Rainin, Socorex and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color

reference	type	pcs/pack	price/pack	average price/pc
TIAD-300-1K0	300 µl long type non sterile in bag	1000		

astik's





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### Micropipette tips, polypropylene, 1000 µl, Premium Line

NEW

High quality tips with graduation lines of 100, 500 and 1000 µl serving as a visual reference to minimize errors during sample aspiration. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, HTL, Biohit, Eppendorf, CAPP, FinnpiPETTE, Rainin, Socorex and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAD-1K0-096	1000 µl universal type, sterile, in rack	96		
TIAD-1K0-1K0	1000 µl universal type, non sterile, in bag (6 racks of 96 tips each) "Saving package"	1000		
TIAD-1K0-576	1000 µl universal type, sterile, in rack	6 x 96		

astik's



### Micropipette tips, polypropylene, 5 ml, Premium Line

NEW

High quality tips free of human DNA and certified free from DNase, RNase and PCR inhibitors. Packaged in non-sterile bags. Two models available: Eppendorf type (compatible with EASY, Biohit and Eppendorf) and Gilson type (compatible with Gilson, Rainin, HTL, Nichiryo and CAPP). Natural color

reference	type	pcs/pack	price/pack	average price/pc
TIAD-5K0-100	5 ml, Eppendorf type, non sterile, in bag (A)	100		
TIAD-5K1-100	5 ml, Gilson type, non sterile, in bag (B)	100		

astik's



### Micropipette tips, polypropylene, 10 ml, Premium Line

NEW

High quality tips free of human DNA and certified free from DNase, RNase and PCR inhibitors. Packaged in non-sterile bags. Compatible with EASY, and Thermo. Natural color

reference	type	pcs/pack	price/pack	average price/pc
TIAD-10K-100	10 ml, macro type, non sterile, in bag	100		

astik's

### Ultra Low Retention, micropipette tips, polypropylene, Premium Line

NEW

Ultra Low Retention (ULR) version of our Premium Line high quality tips. Liquid handling accuracy and precision are crucial to success in today's molecular biology laboratories, especially for DNA analysis and protein handling. A significant culprit of pipette inaccuracy is binding of sample. Our ULR-tips are manufactured with a high quality diamond finish mold using specially developed resins to create a "super hydrophobic" internal surface thus reducing the binding and increasing sample delivery accuracy. On average ULR tips reduces the tip retention by near 85 % and decreases the standard deviation of the retained volume by more than 75 %. For pipette compatibility refer to Premium Line tips. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Packaged in sterile polypropylene racks. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAU-010-096	10 µl ULR PCR type, sterile, in rack	96		
TIAU-020-096	20 µl ULR long type, sterile, in rack	96		
TIAU-200-096	200 µl ULR universal type, sterile, in rack	96		
TIAU-1K0-096	1000 µl ULR universal type, sterile, in rack	96		



**NEW** Filtered micropipette tips, polypropylene, tips 10 µl, Premium Line

High quality tips specifically designed for PCR. Filter pore size of 4 microns. Graduated. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, HTL and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAF-010-096	10 µl with filter, sterile, in rack	96		
TIAF-010-1K0	10 µl with filter, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAF-010-960	10 µl with filter, sterile, in rack	10 x 96		

**NEW** Filtered micropipette tips, polypropylene, tips 20 µl, Premium Line

High quality filtered tips specially designed to reach the bottom of narrow microtubes. Filter pore size of 4 microns. Graduated. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Compatible with EASY, Gilson, Eppendorf, HTL and Nichiryo micropipettes. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAF-020-096	20 µl with filter, sterile, in rack	96		
TIAF-020-1K0	20 µl with filter, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAF-020-960	20 µl with filter, sterile, in rack	10 x 96		

**NEW** Filtered micropipette tips, polypropylene, tips 100 µl and 200 µl, Premium Line

High quality tips with filter (pore size 4 microns). Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes between including EASY, Gilson, Eppendorf, HTL, Biohit, CAPP, Finnpiette, Nichiryo, Rainin and Socorex. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. All models correspond to the same tips but with the filter placed at a different level varying the highest filling volume. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAF-100-096	100 µl with filter, sterile, in rack	96		
TIAF-100-1K0	100 µl with filter, non sterile, in bag	1000		
TIAF-200-096	200 µl with filter, sterile, in rack	96		
TIAF-200-1K0	200 µl with filter, non sterile, in bag	1000		
(10 racks of 96 tips each) "Saving package"				
TIAF-100-960	100 µl with filter, sterile, in rack	10 x 96		
TIAF-200-960	200 µl with filter, sterile, in rack	10 x 96		

**NEW** Filtered micropipette tips, polypropylene, tips 1000 µl, Premium Line

High quality tips with filter (pore size 4 microns). Narrow and long design to reach the bottom of narrow tubes. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Innovative internal geometry making a universal compatibility with virtually all brands of micropipettes including EASY, Gilson, Eppendorf, HTL, Biohit, CAPP, Finnpiette, Nichiryo, Rainin and Socorex. Packaged in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural color. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	type	pcs/pack	price/pack	average price/pc
TIAF-1K0-096	1000 µl with filter, sterile, in rack	96		
TIAF-1K0-1K0	1000 µl with filter, non sterile in bag	1000		
(6 racks of 96 tips each) "Saving package"				
TIAF-1K0-576	1000 µl with filter, sterile, in rack	6 x 96		

astik's



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astik's



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## astik's



## Reagent reservoir

Polypropylene reservoirs for multichannel pipetting. Available in 10 non-sterile units bag or in single wrapped sterile bags. Sterilized by ethylene oxide single-pack. Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	l (mm)	w (mm)	h (mm)	type	pcs/pack	price/pack	average price/pc
RTIP-051-010	50 ml	148	61	26	non-sterile	10		
RTIP-E51-250	50 ml	148	61	26	sterile single wrapped	250		

## EASY



## Digital burette EASY 70

Volume range between 0,01 ml and 99,99 ml. The burette's momentum is motorized, this allow a precise and comfortable evaluation, supported by convenient bottle-top titration.

Fully-digital controls on the parameters settings and burette process. Large LCD screen.

All parameters can be set in the controller.

Have the extra interface to store and export the experimental data. Max. piston lift is 10 ml.

Each digital burette was individually calibrated according to EN-ISO 8655 standard.

2 years warranty. Check the complete table of chemical compatibilities on our website [www.labbox.com](http://www.labbox.com)

reference	accuracy R (%)	precision CV (%)	increment	pcs/pack	price/pack
EASY-070-001	0,2	0,07	10 µl	1	

## RECOMMENDED TIPS FOR EASY MICROPIPETTES

## EASY 30+

	Standard Line	Premium Line	Premium Line ULR	Filtered Premium Line
EASD-P02-001	TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-P10-001	TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-P20-001	TIPP-010-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-010-***, TIAF-020-***
EASD-P50-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***
EASD-10P-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-20P-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-1KP-001	TIPP-1K0-***, TIPP-1K2-***	TIAD-1K0-001	TIAU-1K0-001	TIAF-1K0-***
EASD-5KP-001	N/A	TIAD-5K1-100	N/A	N/A
EASD-10K-001	N/A	TIAD-10K-100	N/A	N/A

## EASY 40+

EASD-P02-001	TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-P10-001	TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-P20-001	TIPP-010-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-010-***, TIAF-020-***
EASD-P50-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***
EASD-10P-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-20P-001	TIPP-200-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-1KP-001	TIPP-1K0-***, TIPP-1K2-***	TIAD-1K0-001	TIAU-1K0-001	TIAF-1K0-***
EASD-5KP-001	N/A	TIAD-5K1-100	N/A	N/A
EASD-10K-001	N/A	TIAD-10K-100	N/A	N/A

## EASY 40 ELITE





EASD-E02-001	TIPP-011-***, TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-E10-001	TIPP-011-***, TIPP-010-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASD-E20-001	TIPP-201-***, TIPP-200-***, TIPP-300-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***
EASD-E50-001	TIPP-201-***, TIPP-200-***, TIPP-300-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***
EASD-10E-001	TIPP-201-***, TIPP-200-***, TIPP-300-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-20E-001	TIPP-201-***, TIPP-200-***, TIPP-300-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASD-1KE-001	TIPP-1K0-***, TIPP-1K1-***, TIPP-1K2-***	TIAD-1K0-***	TIAU-1K0-***	TIAF-1K0-***
EASD-5KE-001	TIPP-5K0-***	TIAD-5K0-100	N/A	N/A

## EASY W

EASW-010-001	TIPP-010-***, TIPP-011-***	TIAD-010-***, TIAD-020-***	TIAU-010-***, TIAU-020-***	TIAF-010-***, TIAF-020-***
EASW-050-001	TIPP-200-***	TIAD-300-***	N/A	TIAF-100-***
EASW-300-001	TIPP-300-***	TIAD-200-***, TIAD-300-***	TIAU-200-***	TIAF-100-***, TIAF-200-***
EASW-1K0-001	TIPP-1K0-***, TIPP-1K1-***, TIPP-1K2-***	TIAD-1K0-***	TIAU-1K0-***	TIAF-1K0-***

### Glass beads

For boiling control and other laboratory uses

reference	∅ (mm)	accuracy (mm)	package	price/pack
BEAD-002-1K0	2	± 0,2	 1 kg	
BEAD-004-1K0	4	± 0,3	 1 kg	
BEAD-006-1K0	6	± 0,3	 1 kg	
BEAD-008-1K0	8	± 0,4	 1 kg	

LBG



### Boiling flask round bottom

Made of borosilicate glass LBG 3.3

reference	capacity	∅ (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
BFL3-005-001	5 ml	27	60	14/23	1		
BFL3-010-001	10 ml	33	68	14/23	1		
BFL3-025-001	25 ml	41	75	14/23	1		
BFL3-050-001	50 ml	53	88	14/23	1		
BFL3-052-001	50 ml	53	94	19/26	1		
BFL3-051-001	50 ml	53	105	29/32	1		
BFL3-100-001	100 ml	65	100	14/23	1		
BFL3-102-001	100 ml	65	106	19/26	1		
BFL3-103-001	100 ml	65	109	24/29	1		
BFL3-101-001	100 ml	65	117	29/32	1		
BFL3-251-001	250 ml	88	134	19/26	1		
BFL3-252-001	250 ml	88	139	24/29	1		
BFL3-250-001	250 ml	88	145	29/32	1		
BFL3-502-001	500 ml	110	158	19/26	1		
BFL3-500-001	500 ml	110	167	29/32	1		
BFL3-1K0-001	1000 ml	140	199	29/32	1		
BFL3-2K0-001	2000 ml	175	234	29/32	1		
"Saving package"							
BFL3-005-012	5 ml	27	60	14/23	12		
BFL3-010-012	10 ml	33	68	14/23	12		
BFL3-025-012	25 ml	41	75	14/23	12		
BFL3-050-012	50 ml	53	88	14/23	12		
BFL3-052-012	50 ml	53	94	19/26	12		
BFL3-051-012	50 ml	53	105	29/32	12		
BFL3-100-012	100 ml	65	100	14/23	12		
BFL3-102-012	100 ml	65	106	19/26	12		
BFL3-103-012	100 ml	65	109	24/29	12		
BFL3-101-012	100 ml	65	117	29/32	12		
BFL3-251-010	250 ml	88	134	19/26	10		
BFL3-252-010	250 ml	88	139	24/29	10		
BFL3-250-010	250 ml	88	145	29/32	10		
BFL3-502-006	500 ml	110	158	19/26	6		
BFL3-500-006	500 ml	110	167	29/32	6		
BFL3-1K0-006	1000 ml	140	199	29/32	6		
BFL3-2K0-002	2000 ml	175	234	29/32	2		

LBG





### Boiling flask round bottom

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4797 and USP standard

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
BFLG-025-001	25 ml	41	85	14/23	1		
BFLG-050-001	50 ml	51	90	14/23	1		
BFLG-051-001	50 ml	51	90	29/32	1		
BFLG-100-001	100 ml	64	105	14/23	1		
BFLG-101-001	100 ml	64	105	29/32	1		
BFLG-252-001	250 ml	85	140	24/29	1		
BFLG-250-001	250 ml	85	140	29/32	1		
BFLG-500-001	500 ml	105	163	29/32	1		
BFLG-1K0-001	1000 ml	131	200	29/32	1		
BFLG-2K0-001	2000 ml	166	240	29/32	1		
"Saving package"							
BFLG-025-010	25 ml	41	85	14/23	10		
BFLG-050-010	50 ml	51	90	14/23	10		
BFLG-051-010	50 ml	51	90	29/32	10		
BFLG-100-010	100 ml	64	105	14/23	10		
BFLG-101-010	100 ml	64	105	29/32	10		
BFLG-252-010	250 ml	85	140	24/29	10		
BFLG-250-010	250 ml	85	140	29/32	10		
BFLG-500-010	500 ml	105	163	29/32	10		
BFLG-1K0-010	1000 ml	131	200	29/32	10		
BFLG-2K0-006	2000 ml	166	240	29/32	6		

bb



### Cork flask stand

For rounded-bottom flasks

reference	Ø (mm)	type	pcs/pack	price/pack
CORK-080-001	80	up to 100 ml flasks	1	
CORK-100-001	100	up to 250 ml flasks	1	
CORK-120-001	120	up to 500 ml flasks	1	
CORK-140-001	140	up to 1000 ml flasks	1	

bb



### Polyethylene flask stand

For rounded-bottom flasks. High chemical resistance. Withstands up to 121 °C

reference	Ø (mm)	type	pcs/pack	price/pack
FLSP-001-001	160	up to 10 L flasks	1	



### Evaporating flask standard ground mouth

Manufactured with top quality 3.3 borosilicate glass. To be used in rotary evaporator

reference	capacity	h (mm)	joint ST/NS	pcs/pack	price/pack
FLEG-051-001	50 ml	94	29/32	1	
FLEG-101-001	100 ml	110	29/32	1	
FLEG-250-001	250 ml	140	29/32	1	
FLEG-500-001	500 ml	170	29/32	1	
FLEG-1K0-001	1000 ml	210	29/32	1	
FLEG-2K0-001	2000 ml	250	29/32	1	

**Boiling flask flat bottom**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
BFF3-025-001	25 ml	41	75	14/23	1		
BFF3-050-001	50 ml	53	88	14/23	1		
BFF3-052-001	50 ml	53	94	19/26	1		
BFF3-100-001	100 ml	65	100	14/23	1		
BFF3-102-001	100 ml	65	106	19/26	1		
BFF3-103-001	100 ml	65	109	24/29	1		
BFF3-101-001	100 ml	65	117	29/32	1		
BFF3-252-001	250 ml	88	134	19/26	1		
BFF3-253-001	250 ml	88	139	24/29	1		
BFF3-250-001	250 ml	88	145	29/32	1		
BFF3-500-001	500 ml	110	167	29/32	1		
BFF3-1K0-001	1000 ml	140	199	29/32	1		
BFF3-2K0-001	2000 ml	175	234	29/32	1		
<b>"Saving package"</b>							
BFF3-025-012	25 ml	41	75	14/23	12		
BFF3-050-012	50 ml	53	88	14/23	12		
BFF3-052-012	50 ml	53	94	19/26	12		
BFF3-100-012	100 ml	65	100	14/23	12		
BFF3-102-012	100 ml	65	106	19/26	12		
BFF3-103-012	100 ml	65	109	24/29	12		
BFF3-101-012	100 ml	65	117	29/32	12		
BFF3-252-010	250 ml	88	134	19/26	10		
BFF3-253-010	250 ml	88	139	24/29	10		
BFF3-250-010	250 ml	88	145	29/32	10		
BFF3-500-008	500 ml	110	167	29/32	8		
BFF3-1K0-006	1000 ml	140	199	29/32	6		
BFF3-2K0-002	2000 ml	175	234	29/32	2		

**Boiling flask flat bottom**

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4797 and USP standard

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
BFFG-101-001	100 ml	64	105	29/32	1		
BFFG-250-001	250 ml	85	130	29/32	1		
BFFG-500-001	500 ml	105	160	29/32	1		
BFFG-1K0-001	1000 ml	131	187	29/32	1		
<b>"Saving package"</b>							
BFFG-101-010	100 ml	64	105	29/32	10		
BFFG-250-010	250 ml	85	130	29/32	10		
BFFG-500-010	500 ml	105	160	29/32	10		
BFFG-1K0-010	1000 ml	131	187	29/32	10		

**Kjeldahl flask, standard ground mouth**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø <sub>bulb</sub> (mm)	h (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
NFK3-500-002	500 ml	107	310	29/32	2		
NFK3-1K0-001	1000 ml	130	370	29/32	1		

LBG



GLASSCO



LBG



LBG

**Flask, round bottom with two necks**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs/pack	price/pack
BF23-250-001	250 ml	88	145	29/32	14/23	1	
BF23-252-001	250 ml	88	145	29/32	19/26	1	
BF23-254-001	250 ml	88	145	19/26	19/26	1	
BF23-253-001	250 ml	88	145	24/29	19/26	1	
BF23-500-001	500 ml	110	167	29/32	14/23	1	
BF23-502-001	500 ml	110	167	29/32	19/26	1	
BF23-1K0-001	1000 ml	140	200	29/32	14/23	1	
BF23-1K2-001	1000 ml	140	200	29/32	19/26	1	

LBG

**Flask, round bottom with three necks (parallel)**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs/pack	price/pack
BFS3-250-001	250 ml	88	145	29/32	14/23	1	
BFS3-252-001	250 ml	88	145	29/32	19/26	1	
BFS3-500-001	500 ml	110	167	29/32	14/23	1	
BFS3-502-001	500 ml	110	167	29/32	19/26	1	
BFS3-1K2-001	1000 ml	140	200	29/32	19/26	1	
BFS3-1K0-001	1000 ml	140	200	29/32	29/32	1	

LBG

**Flask, round bottom with three necks (side angle)**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h <sub>total</sub> (mm)	central joint ST/NS	side joint ST/NS	pcs/pack	price/pack
BFO3-250-001	250 ml	88	145	29/32	14/23	1	
BFO3-252-001	250 ml	88	145	29/32	19/26	1	
BFO3-254-001	250 ml	88	145	19/26	19/26	1	
BFO3-253-001	250 ml	88	145	24/29	19/26	1	
BFO3-500-001	500 ml	110	167	29/32	14/23	1	
BFO3-502-001	500 ml	110	167	29/32	19/26	1	
BFO3-1K0-001	1000 ml	140	200	29/32	14/23	1	
BFO3-1K2-001	1000 ml	140	200	29/32	19/26	1	
BFO3-1K1-001	1000 ml	140	200	29/32	29/32	1	

LBG

**Flask, pear shape, standard ground mouth**

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h (mm)	joint ST/NS	pcs/pack	price/pack
FLP3-010-001	10 ml	30	79	14/23	1	
FLP3-025-001	25 ml	40	93	14/23	1	
FLP3-050-001	50 ml	50	108	14/23	1	
FLP3-100-001	100 ml	60	118	14/23	1	



### Gas washing bottle, Drechsel

Made of borosilicate glass 3.3. The complete set includes a body and a head. According to DIN 12596

reference	description	pcs/pack	price/pack
GWS3-250-001	complete set 250 ml, 29/32	1	
GWB3-250-001	body 250 ml, 29/32	1	
GWH3-250-001	head for 250 ml body, 29/32, Ø <sub>tubing</sub> 8 mm	1	
GWS3-500-001	complete set 500 ml, 29/32	1	
GWB3-500-001	body 500 ml, 29/32	1	
GWH3-500-001	head for 500 ml body, 29/32, Ø <sub>tubing</sub> 8 mm	1	

### Flask, Erlenmeyer, standard ground mouth

Made of borosilicate glass LBG 3.3

reference	capacity	Ø (mm)	h (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CFL3-005-001	5 ml	25	50	14/23	1		
CFL3-010-001	10 ml	32	60	14/23	1		
CFL3-025-001	25 ml	42	70	14/23	1		
CFL3-050-001	50 ml	51	85	14/23	1		
CFL3-052-001	50 ml	51	85	19/26	1		
CFL3-100-001	100 ml	64	105	14/23	1		
CFL3-102-001	100 ml	64	105	19/26	1		
CFL3-103-001	100 ml	64	105	24/29	1		
CFL3-101-001	100 ml	64	105	29/32	1		
CFL3-252-001	250 ml	85	135	19/26	1		
CFL3-251-001	250 ml	85	135	24/29	1		
CFL3-250-001	250 ml	85	128	29/32	1		
CFL3-503-001	500 ml	105	170	24/29	1		
CFL3-500-001	500 ml	105	165	29/32	1		
CFL3-1K3-001	1000 ml	131	210	24/29	1		
CFL3-1K0-001	1000 ml	131	210	29/32	1		
CFL3-2K0-001	2000 ml	166	275	29/32	1		
"Saving package"							
CFL3-005-012	5 ml	25	50	14/23	12		
CFL3-010-012	10 ml	32	60	14/23	12		
CFL3-025-012	25 ml	42	70	14/23	12		
CFL3-050-012	50 ml	51	85	14/23	12		
CFL3-052-012	50 ml	51	85	19/26	12		
CFL3-100-012	100 ml	64	105	14/23	12		
CFL3-102-012	100 ml	64	105	19/26	12		
CFL3-103-012	100 ml	64	105	24/29	12		
CFL3-101-012	100 ml	64	105	29/32	12		
CFL3-252-010	250 ml	85	135	19/26	10		
CFL3-251-010	250 ml	85	135	24/29	10		
CFL3-250-010	250 ml	85	128	29/32	10		
CFL3-503-008	500 ml	105	170	24/29	8		
CFL3-500-008	500 ml	105	165	29/32	8		
CFL3-1K3-006	1000 ml	131	210	24/29	6		
CFL3-1K0-006	1000 ml	131	210	29/32	6		
CFL3-2K0-002	2000 ml	166	275	29/32	2		

GLASSCO



LBG





### Flask, Erlenmeyer, standard ground mouth

NEW

Made of 3.3 borosilicate glass (upper grade). In compliance with ISO 4797 standard



reference	capacity	Ø (mm)	h (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CFLG-102-001	100 ml	64	100	19/26	1		
CFLG-103-001	100 ml	64	100	24/29	1		
CFLG-101-001	100 ml	64	100	29/32	1		
CFLG-252-001	250 ml	85	140	19/26	1		
CFLG-251-001	250 ml	85	140	24/29	1		
CFLG-250-001	250 ml	85	140	29/32	1		
CFLG-503-001	500 ml	105	175	24/29	1		
CFLG-500-001	500 ml	105	175	29/32	1		
CFLG-1K0-001	1000 ml	131	220	29/32	1		
CFLG-2K0-001	2000 ml	166	270	29/32	1		
"Saving package"							
CFLG-102-010	100 ml	64	100	19/26	10		
CFLG-103-010	100 ml	64	100	24/29	10		
CFLG-101-010	100 ml	64	100	29/32	10		
CFLG-252-010	250 ml	85	140	19/26	10		
CFLG-251-010	250 ml	85	140	24/29	10		
CFLG-250-010	250 ml	85	140	29/32	10		
CFLG-503-010	500 ml	105	175	24/29	10		
CFLG-500-010	500 ml	105	175	29/32	10		
CFLG-1K0-010	1000 ml	131	220	29/32	10		
CFLG-2K0-006	2000 ml	166	270	29/32	6		

LBG

### Condenser, straight shape (Liebig-West)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Ø<sub>inner</sub> 8 mm



reference	l <sub>useable</sub> (mm)	l <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CSS3-080-002	80	175	14/23	2		
CSS3-150-002	150	254	14/23	2		
CSS3-200-002	200	305	14/23	2		
CSS3-201-002	200	360	29/32	2		
CSS3-202-002	200	360	19/26	2		
CSS3-203-002	200	360	24/29	2		
CSS3-300-002	300	460	29/32	2		
CSS3-400-002	400	560	29/32	2		
CSS3-500-001	500	660	29/32	1		
CSS3-600-001	600	760	29/32	1		



### Condenser, straight shape (Liebig-West)

NEW

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN 12576 standard. Hose connector is designed for tubing Ø<sub>inner</sub> 8 mm



reference	l <sub>useable</sub> (mm)	l <sub>total</sub> (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CSSG-160-001	160	265	14/23	1		
CSSG-202-001	200	320	19/26	1		
CSSG-250-001	250	385	29/32	1		
CSSG-300-001	300	445	29/32	1		
CSSG-400-001	400	530	29/32	1		

### Condenser with bulbed inner tube (Allihn)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	bulb quantity	joint ST/NS	pcs/pack	price/pack	average price/pc
ALC3-150-002	150	235	4	14/23	2		
ALC3-200-002	200	295	4	14/23	2		
ALC3-201-002	200	360	4	29/32	2		
ALC3-300-002	300	405	6	14/23	2		
ALC3-301-002	300	460	6	29/32	2		
ALC3-400-002	400	560	6	29/32	2		
ALC3-500-001	500	660	10	29/32	1		
ALC3-600-001	600	760	12	29/32	1		

NEW

### Condenser with bulbed inner tube (Allihn)

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN 12581 standard. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	bulb quantity	joint ST/NS	pcs/pack	price/pack	average price/pc
ALCG-250-001	250	410	5	29/32	1		
ALCG-300-001	300	455	6	29/32	1		
ALCG-400-001	400	565	8	29/32	1		

### Graham condenser (Inland Revenue)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CIC3-150-002	150	235	14/23	2		
CIC3-200-002	200	295	14/23	2		
CIC3-300-002	300	460	29/32	2		
CIC3-400-002	400	560	29/32	2		
CIC3-500-001	500	660	29/32	1		
CIC3-600-001	600	760	29/32	1		

NEW

### Graham condenser (Inland Revenue)

Made of 3.3 borosilicate glass (upper grade). Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs/pack	price/pack	average price/pc
CICG-250-001	250	365	14/23	1		
CICG-300-001	300	440	29/32	1		
CICG-400-001	400	545	29/32	1		
CICG-500-001	500	630	29/32	1		

### Dimroth condenser

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs/pack	price/pack
DRO3-150-001	150	235	14/23	1	
DRO3-200-001	200	295	14/23	1	
DRO3-201-001	200	360	29/32	1	
DRO3-300-001	300	460	29/32	1	
DRO3-400-001	400	560	29/32	1	
DRO3-500-001	500	660	29/32	1	

LBG

TELESCO

LBG

TELESCO

LBG





LBG

### Dimroth condenser with PTFE screwthread connectors

Made of borosilicate glass LBG 3.3. Hose connector is GL 14 PTFE threaded and is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	$l_{\text{useable}}$ (mm)	$l_{\text{total}}$ (mm)	joint ST/NS	pcs/pack	price/pack
DROT-200-001	200	295	14/23	1	
DROT-300-001	300	460	29/32	1	
DROT-400-001	400	560	29/32	1	
Accessories and spare parts					
DROT-A01-001			PTFE screwthread connector	1	

LBG

### Fractionating column, Vigreux

Made of borosilicate glass LBG 3.3. Without sleeve

reference	h (mm)	joint ST/NS	pcs/pack	price/pack
VIG3-360-001	360	29/32	1	

LBG

### Connection tube with two parallel necks

Made of borosilicate glass LBG 3.3

reference	central joint ST/NS	side joint ST/NS	pcs/pack	price/pack
CON3-001-001	14/23	14/23	1	
CON3-002-001	29/32	29/32	1	

LBG

### Distilling head

Made of borosilicate glass LBG 3.3

reference	joint ST/NS (a)	joint ST/NS (b)	joint ST/NS (c)	pcs/pack	price/pack
DIH3-001-001	14/23	14/23	14/23	1	
DIH3-002-001	14/23	29/32	29/32	1	
DIH3-003-001	29/32	29/32	29/32	1	

LBG

### Kjeldahl bulb, standard ground mouth

Made of borosilicate glass LBG 3.3

reference	capacity	joint ST/NS	pcs/pack	price/pack
SPB3-001-001	250 ml	29/32	1	

LBG

### Receiver adapter, plain, bent at 105°

Made of borosilicate glass LBG 3.3

reference	l (mm)	joint ST/NS	pcs/pack	price/pack
ADA3-001-001	120	14/23	1	
ADA3-002-001	150	29/32	1	

LBG

### Receiver adapter, bent at 105°, with lateral hose

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
REC3-001-001	14/23	1	
REC3-002-001	29/32	1	



### Receiver adapter, bent at 105°, with internal tube and lateral hose

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
RET3-001-001	14/23	1	
RET3-004-001	19/26	1	
RET3-003-001	24/29	1	
RET3-002-001	29/32	1	

### Reduction and expansion adapters

Made of borosilicate glass LBG 3.3

reference	socket size (female)	cone size (male)	pcs/pack	price/pack
EXA3-002-001	14/23	19/26	1	
EXA3-003-001	14/23	24/29	1	
EXA3-001-001	14/23	29/32	1	
EXA3-004-001	19/26	24/29	1	
EXA3-005-001	19/26	29/32	1	
EXA3-006-001	24/29	29/32	1	
REA3-002-001	19/26	14/23	1	
REA3-003-001	24/29	14/23	1	
REA3-004-001	24/29	19/26	1	
REA3-001-001	29/32	14/23	1	
REA3-005-001	29/32	19/26	1	
REA3-006-001	29/32	24/29	1	

### Suction adapter

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
SUC3-001-001	14/23	1	
SUC3-002-001	29/32	1	

### Distilling bend, 75° bent

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
DHE3-001-001	14/23	1	
DHE3-002-001	29/32	1	

### Plastic stopper, conical, with tubing connection

Made of polypropylene. Includes two hose-adapters for Ø 8 mm tubing

reference	joint ST/NS	pcs/pack	price/pack
STCP-001-001	29/32	1	

### Hollow stopper, standard ground mouth

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
STO3-001-001	14/23	1	
STO3-002-001	29/32	1	

LBG



LBG



LBG



LBG



astik's



LBG



LBG

**Hollow stopper, hexagonal head**

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
STH3-001-001	14/23	1	
STH3-019-001	19/26	1	
STH3-024-001	24/29	1	
STH3-002-001	29/32	1	

astik's

**Plastic stopper for standard ground mouth**

Made of polypropylene. Hollow. Autoclavable

reference	joint ST/NS	pcs/pack	price/pack	average price/pc
STOP-014-010	14/23	10		
STOP-019-010	19/26	10		
STOP-024-010	24/29	10		
STOP-029-010	29/32	10		
STOP-045-010	45/40	10		

astik's

**Flat head stopper, PTFE**

Leak proof. Can be used up to 270 °C

NEW

reference	joint ST/NS	h (mm)	pcs/pack	price/pack
FHSP-119-001	10/19	31	1	
FHSP-123-001	14/23	34	1	
FHSP-126-001	19/26	38	1	
FHSP-229-001	24/29	44	1	
FHSP-232-001	29/32	47	1	

LBG

**Connection piece, cone angle 90°**

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	pcs/pack	price/pack
ADS3-001-001	14/23	1	
ADS3-003-001	19/26	1	
ADS3-004-001	24/29	1	
ADS3-002-001	29/32	1	

LBG

**Drying tube, oblique shape**

Made of borosilicate glass LBG 3.3

reference	h (mm)	joint ST/NS	pcs/pack	price/pack
DRY3-001-001	150	14/23	1	
DRY3-003-001	150	19/26	1	
DRY3-004-001	150	24/29	1	
DRY3-002-001	150	29/32	1	

LBG

**Funnel, standard ground mouth**

Made of borosilicate glass LBG 3.3

reference	∅ <sub>top</sub> (mm)	joint ST/NS	pcs/pack	price/pack
FUN3-040-001	40	14/23	1	
FUN3-060-001	60	14/23	1	

### Pressure equalizing dropping funnel, cylindrical, with PTFE stopcock

Made of borosilicate glass LBG 3.3. Plastic stopper included

reference	capacity	socket size (female)	cone size (male)	pcs/pack	price/pack
FTP3-100-001	100 ml	14/23	14/23	1	
FTP3-102-001	100 ml	19/26	19/26	1	

### Dropping funnel, cylindrical, standard ground mouth, with PTFE stopcock

Made of borosilicate glass LBG 3.3. Plastic stopper included

reference	capacity	socket size (female)	cone size (male)	pcs/pack	price/pack
FTY3-100-001	100 ml	14/23	14/23	1	
FTY3-102-001	100 ml	19/26	19/26	1	

### Glass probe/thermometer holder

Made of borosilicate glass LBG 3.3

reference	joint ST/NS	type	pcs/pack	price/pack
TPH3-006-001	14/23	for Ø 6-7 mm thermometers	1	
TPH3-004-001	19/26	for Ø 6-7 mm thermometers	1	
TPH3-007-001	29/32	for Ø 6-7 mm thermometers	1	

### PTFE probe/thermometer holder

Made of cure PTFE. Fully adjustable with replacement Viton seal

reference	type	pcs/pack	price/pack
TPHT-006-001	14/23, for Ø 6 mm thermometers	1	
TPHT-008-001	14/23, for Ø 8 mm thermometers	1	
Accessories and spare parts			
TPHT-S06-005	spare joints for TPHT-006-001	5	
TPHT-S08-005	spare joints for TPHT-008-001	5	

### Conical head clip, plastic

Manufactured in POM (Polyoxymethylene). Will not scratch glass surfaces

reference	type	pcs/pack	price/pack	average price/pc
CHCP-014-010	orange, for 14/23 joints	10		
CHCP-019-010	blue, for 19/26 joints	10		
CHCP-024-010	green, for 24/29 joints	10		
CHCP-029-010	red, for 29/32 joints	10		

### Conical head clip, steel

Traditional clips made of steel wire

reference	type	pcs/pack	price/pack	average price/pc
CHCS-014-010	for 14/23 joints	10		
CHCS-019-010	for 19/26 joints	10		
CHCS-024-010	for 24/29 joints	10		
CHCS-029-010	for 29/32 joints	10		






labkem



### Silicone grease for ground glass joints

Silicone grease for the lubrication of ground glass joints, desiccators lids or glass stopcocks. Temperature range from -50 to 180 °C. LBSil 25 shows an excellent lubrication power and good resistance to cold and hot water and chemical agents

reference	type	package	price/pack
SGRE-025-100	LBSil 25, 100 g package	 100 g	

astik's



### Flexible PTFE sleeves for glass joints

Eliminate the use of grease. Withstand low to medium vacuum. Usable to 280 °C

reference	joint ST/NS	pcs/pack	price/pack	average price/pc
PTST-014-010	14/23	10		
PTST-019-010	19/26	10		
PTST-024-010	24/29	10		
PTST-029-010	29/32	10		



### Simple distillation equipment set

Made of borosilicate glass LBG 3.3. This equipment is composed of 1 Liebig West, straight-shape condenser 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 + 110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	description	pcs/pack	price/pack
APP3-001-001	simple distillation kit	1	



### Fractional distillation equipment set (with Vigreux column)

Made of borosilicate glass LBG 3.3. This equipment is composed of 1 Vigreux column, 1 Liebig West, straight-shape condenser 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 + 110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing  $\varnothing_{\text{inner}}$  8 mm

reference	description	pcs/pack	price/pack
APP3-002-001	fractional distillation kit	1	

You can find other pieces of jointed glassware and accessories on our website: [www.labbox.com](http://www.labbox.com)

## TECHNICAL SPECIFICATIONS OF PAPER FILTER

USE	TECHNICAL SPECIFICATIONS OF PAPER FILTER						
QUALITATIVE GENERAL USE	QLPG G: 65 g/m <sup>2</sup> P: 7-10 μm T: 170 μm A: <0,10%			QLPV G: 130 g/m <sup>2</sup> P: 25-30 μm T: 430 μm A: <0,06%			
QUALITATIVE LOW ASH	QLDS G: 100 g/m <sup>2</sup> P: 2-3 μm T: 200 μm A: <0,06%	QLDM G: 85 g/m <sup>2</sup> P: 10-12 μm T: 200 μm A: <0,06%		QLDF Gr: 95 g/m <sup>2</sup> P: 20-25 μm T: 215 μm A: <0,06%			
QUANTITATIVE HARDENED	QNHS G: 80 g/m <sup>2</sup> P: 7-9 μm T: 290 μm A: <0,02%		QNHM G: 80 g/m <sup>2</sup> P: 8-12 μm T: 270 μm A: <0,02%	QNHF G: 80 g/m <sup>2</sup> P: 12-16 μm T: 250 μm A: <0,02%	G = Surface weight P = Pore T = Thickness A = Ashes		
QUANTITATIVE	QNDS G: 80 g/m <sup>2</sup> P: 7-9 μm T: 290 μm A: <0,002%	QNDM G: 80 g/m <sup>2</sup> P: 8-12 μm T: 270 μm A: <0,002%	QNDF G: 80 g/m <sup>2</sup> P: 10-15 μm T: 250 μm A: <0,002%				
RETENTION (μm)	0	5	10	15	20	25	30

## Qualitative filter paper for general use, medium flow rate

Maximum ash content 0.10%. Vellum paper used for general laboratory filtration. Surface weight 65 g/m<sup>2</sup>, pore 7 - 10 μm, thickness 170 μm. Available in flat disks (packed in foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 93

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QLPG-070-100	70	disk	100		
QLPG-090-100	90	disk	100		
QLPG-110-100	110	disk	100		
QLPG-125-100	125	disk	100		
QLPG-150-100	150	disk	100		
QLPG-185-100	185	disk	100		
QLPG-240-100	240	disk	100		
QLPG-111-100	110	folded	100		
QLPG-126-100	125	folded	100		
QLPG-151-100	150	folded	100		
QLPG-186-100	185	folded	100		
QLPG-201-100	200	folded	100		
QLPG-241-100	240	folded	100		
QLPG-251-100	250	folded	100		
QLPG-401-100	400	folded	100		

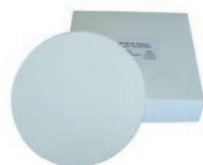
## PRAT DUMAS



**PRAT DUMAS****Qualitative filter paper for general use, very fast flow rate**

Maximum ash content 0.06%. Paper made of long cotton fibers for thick and sticky liquids filtration. Thick and very resistant paper, offering the fastest flow among qualitative filters. Surface weight 130 g/m<sup>2</sup>, pore 25 - 30 μm, thickness 430 μm. Available in flat disks and folded. Equivalent to: Whatman 114

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QLPV-070-100	70	disk	100		
QLPV-090-100	90	disk	100		
QLPV-110-100	110	disk	100		
QLPV-125-100	125	disk	100		
QLPV-150-100	150	disk	100		
QLPV-185-100	185	disk	100		
QLPV-240-100	240	disk	100		
QLPV-111-100	110	folded	100		
QLPV-126-100	125	folded	100		
QLPV-151-100	150	folded	100		
QLPV-186-100	185	folded	100		
QLPV-201-100	200	folded	100		
QLPV-241-100	240	folded	100		
QLPV-251-100	250	folded	100		

**PRAT DUMAS****Qualitative filter paper, low ash, slow flow rate**

Low ash content paper (max 0.06%) used for fine filtration of small particles precipitates. Surface weight 100 g/m<sup>2</sup>, pore 2 - 3 μm, thickness 200 μm. Available in flat disks and folded. Equivalent to: Whatman 5

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QLDS-070-100	70	disk	100		
QLDS-090-100	90	disk	100		
QLDS-110-100	110	disk	100		
QLDS-125-100	125	disk	100		
QLDS-150-100	150	disk	100		
QLDS-185-100	185	disk	100		
QLDS-240-100	240	disk	100		
QLDS-111-100	110	folded	100		
QLDS-126-100	125	folded	100		
QLDS-151-100	150	folded	100		
QLDS-201-100	200	folded	100		
QLDS-251-100	250	folded	100		
QLDS-401-100	400	folded	100		

### Qualitative filter paper, low ash, medium flow rate

Superior Vellum paper made of pure cellulose and low ash (max 0.06%). General use in laboratory  
Surface weight 85 g/m<sup>2</sup>, pore 10 - 12 µm, thickness 200 µm. Available in flat disks and folded  
Equivalent to: Whatman 1

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QLDM-070-100	70	disk	100		
QLDM-090-100	90	disk	100		
QLDM-110-100	110	disk	100		
QLDM-125-100	125	disk	100		
QLDM-150-100	150	disk	100		
QLDM-185-100	185	disk	100		
QLDM-240-100	240	disk	100		
QLDM-111-100	110	folded	100		
QLDM-126-100	125	folded	100		
QLDM-151-100	150	folded	100		
QLDM-201-100	200	folded	100		
QLDM-251-100	250	folded	100		
QLDM-401-100	400	folded	100		

### Qualitative filter paper, low ash, fast flow rate

Low ash paper (max 0.06%) made of cotton fibers, used for thick and sticky liquids filtration. Surface weight  
85 g/m<sup>2</sup>, pore 10 - 12 µm, thickness 200 µm. Available in flat disks and folded. Equivalent to: Whatman 4

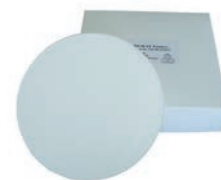
reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QLDF-070-100	70	disk	100		
QLDF-090-100	90	disk	100		
QLDF-110-100	110	disk	100		
QLDF-125-100	125	disk	100		
QLDF-150-100	150	disk	100		
QLDF-185-100	185	disk	100		
QLDF-240-100	240	disk	100		
QLDF-111-100	110	folded	100		
QLDF-126-100	125	folded	100		
QLDF-151-100	150	folded	100		
QLDF-201-100	200	folded	100		
QLDF-251-100	250	folded	100		
QLDF-401-100	400	folded	100		

### Quantitative filter paper, slow flow rate

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for critical gravimetric analysis.  
Surface weight 80 g/m<sup>2</sup>, pore 7 - 9 µm, thickness 290 µm. Available in flat disks. Equivalent to: Whatman 42

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNDS-070-100	70	disk	100		
QNDS-090-100	90	disk	100		
QNDS-110-100	110	disk	100		
QNDS-125-100	125	disk	100		
QNDS-150-100	150	disk	100		

### PRAT DUMAS



### PRAT DUMAS



### PRAT DUMAS



**PRAT DUMAS****Quantitative filter paper, medium flow rate**

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for routine gravimetric analysis. Intermediate filter in terms of flow rate and retention. Surface weight 80 g/m<sup>2</sup>, pore 8 - 12 μm, thickness 270 μm. Available in flat disks. Equivalent to: Whatman 40

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNDM-070-100	70	disk	100		
QNDM-090-100	90	disk	100		
QNDM-110-100	110	disk	100		
QNDM-125-100	125	disk	100		
QNDM-150-100	150	disk	100		

**PRAT DUMAS****Quantitative filter paper, fast flow rate**

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Its quick flow rate makes it recommendable for large precipitates, such as iron hydroxide and other metal sulfates. Surface weight 80 g/m<sup>2</sup>, pore 10 - 15 μm, thickness 250 μm. Available in flat disks. Equivalent to: Whatman 43

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNDF-070-100	70	disk	100		
QNDF-090-100	90	disk	100		
QNDF-110-100	110	disk	100		
QNDF-125-100	125	disk	100		
QNDF-150-100	150	disk	100		

**PRAT DUMAS****Hardened quantitative filter paper, slow flow rate**

Hardened low ash paper (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Recommended for thin precipitates, such as barium, lead, zinc or nickel sulfate, barium fluoride or barium hydroxide. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 7 - 9 μm, thickness 290 μm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 50

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNHS-070-100	70	disk	100		
QNHS-090-100	90	disk	100		
QNHS-110-100	110	disk	100		
QNHS-125-100	125	disk	100		
QNHS-150-100	150	disk	100		
QNHS-111-100	110	folded	100		
QNHS-126-100	125	folded	100		
QNHS-151-100	150	folded	100		



### Hardened quantitative filter paper, medium flow rate

Hardened low ash paper (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Medium flow rate is the adequate for a general use, being the intermediate filter in terms of flow rate and retention. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 8 - 12 µm, thickness 270 µm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 52

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNHM-070-100	70	disk	100		
QNHM-090-100	90	disk	100		
QNHM-110-100	110	disk	100		
QNHM-125-100	125	disk	100		
QNHM-150-100	150	disk	100		
QNHM-111-100	110	folded	100		
QNHM-126-100	125	folded	100		
QNHM-151-100	150	folded	100		

### Hardened quantitative filter paper, fast flow rate

Hardened low ash paper (max 0.02%), as an intermediate solution between quantitative ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Its flow rate makes it recommendable for large precipitates, such as iron hydroxyde and other metal sulfates. High wet resistance. Surface weight 80 g/m<sup>2</sup>, pore 12 - 16 µm, thickness 250 µm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 54

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
QNHF-070-100	70	disk	100		
QNHF-090-100	90	disk	100		
QNHF-110-100	110	disk	100		
QNHF-125-100	125	disk	100		
QNHF-150-100	150	disk	100		
QNHF-111-100	110	folded	100		
QNHF-126-100	125	folded	100		
QNHF-151-100	150	folded	100		

### PRAT DUMAS



### PRAT DUMAS



### CROSS-REFERENCES CHART

Labbox	Whatman	Prat Dumas	Albet	Filter-lab	Macherey Nagel	Fioroni	S & S
QLPG	93	106	–	–	713	122, 600	
QLPV	114	607	400	1300			0860, 0859
QLDS	5	210	414, FP602h	1256	619	115	602eh
QLDM	1	108	412, FP595, FP597	1250	615	601	595
QLDF	4	609	411, FP604	1248	617	111	604
QNH5	50	601	501, FP1575	2244	1640d	155	1575
QNHM	52	600	502, FP1574	2240	1640m	153	1574
QNHF	54	603	503, FP1573	2235	1640we	151	1573
QNDS	42	6601	150, FP589/3	1244	640d	15	589/3
QNDM	40	6600	145, FP589/5	1242	640md	13	589/5
QNDF	43	6602	140, FP589/2	1240	640m	12	589/2

Notes: the cross-references between different paper filter manufacturers are shown only as mere information to make the change to another brand easier. Two paper filters are never equal and we recommend you to make a test before using it. The above mentioned brands here are registered marks of their respective owners and do not have any connection with Labbox

## PRAT DUMAS

**Microfiber glass paper filter, grade GFFC (1,2 µm)**

Paper made from glass microfiber 100% borosilicate without binder. Fast filtration with a retention of fine particles. Standard filter for determination of particle suspensions (S.P.M.) in drinking or sewage water according to European standards (EN 872) and American standards (Standard Methods 2540D). Can be used at very high-temperature. Surface weight 55 g/m<sup>2</sup>, pore 1,2 µm, thickness 270 µm. Available in flat disks. Equivalent to: Whatman GF/C, Macheray Nagel GF-3, Millipore AP40, S&S GF52

reference	Ø (mm)	type	pcs/pack	price/pack	average price/pc
GFFC-025-100	25	disk	100		
GFFC-047-100	47	disk	100		
GFFC-055-100	55	disk	100		
GFFC-070-100	70	disk	100		
GFFC-090-100	90	disk	100		
GFFC-E47-050	47	disk, sterile	50		

## PRAT DUMAS

**Glass microfiber filter, grade GFFA (1,6 µm)**

Paper made from glass microfiber 100% borosilicate without binder. Very fast filtration with a high retention and capacity of fine particles. For general use in laboratory. Can be used at very high temperature. Surface weight 37 g/m<sup>2</sup>, pore 1,6 µm, thickness 190 µm. Available in flat disks. Equivalent to: Whatman GF/A, Macheray Nagel GF-1, S&S GF50

reference	Ø (mm)	type	pcs/pack	price/pack	average price/pc
GFFA-025-100	25	disk	100		
GFFA-047-100	47	disk	100		
GFFA-055-100	55	disk	100		
GFFA-090-100	90	disk	100		

## PRAT DUMAS

**Phase separating paper**

Hydrophobic paper for the fast separation of aqueous solutions from hydrofuge solvents. Useful with organic solvents heavier or lighter than water. Replaces separatory funnels in many applications. Available in flat disks. Equivalent: Whatman 1 PS

reference	Ø (mm)	type	pcs/pack	price/pack	average price/pc
FASE-090-100	90	disk	100		
FASE-110-100	110	disk	100		
FASE-125-100	125	disk	100		
FASE-150-100	150	disk	100		
FASE-210-100	210	disk	100		

## PRAT DUMAS

**Joseph paper**

Extra thin paper, superior quality for wiping or packing laboratory glassware, chemical and solvent-free. Excellent absorption and perfect wiping not going fluffy. Surface weight: 30 g/m<sup>2</sup>. Thickness: 70 µm

reference	l (mm)	w (mm)	pcs/pack	price/pack	average price/pc
JPPF-350-040	350	500	40		
JPPF-350-800	350	500	800		



### Activated carbon paper filter

Activated carbon paper used to dispose benzene, toluene, xylene, ethylbenzene or other small organic molecules. Commonly used in water filtration and odor removal. Available in flat disks

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
ACAF-070-100	70	disk	100		
ACAF-090-100	90	disk	100		
ACAF-110-100	110	disk	100		
ACAF-125-100	125	disk	100		
ACAF-150-100	150	disk	100		

### Blotting paper for germination tests

Blotting paper used in laboratory for the tests and the controls of germination. It allows to determine the capacity of germination of seeds. Good absorption capacity (300 %). Paper supplied in wrinkled bands (50 double folds) of 2 m length and 110 mm wide. Color: white, yellow or grey

reference	l (mm)	w (mm)	color	pcs/pack	price/pack	average price/pc
GERF-001-100	2000	110	white	100		
GERF-002-100	2000	110	yellow	100		
GERF-003-100	2000	110	grey	100		

### Antibiotic control filter paper (antibiograms)

Very thick and absorbent cotton fiber used to determine the suitable antibiotic for a particular infection treatment. Surface weight 420 g/m<sup>2</sup>. Available in flat disks

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
ANTF-004-1K0	4	disk	1000		
ANTF-006-1K0	6	disk	1000		
ANTF-009-1K0	9	disk	1000		
ANTF-013-1K0	13	disk	1000		

### Blaine test filter paper

Special paper for determining the fineness of cement according to EN 196-6:2010 standard. Methods of cement testing. Determination of fineness. Available in flat disks. Diameters: 12,7 mm or 40,5 mm

reference	∅ (mm)	type	pcs/pack	price/pack	average price/pc
BLAF-012-1K0	12,7	disk	1000		
BLAF-040-1K0	40,5	disk	1000		

### CN and CE membrane filters, non-sterile

Plain white membranes available in cellulose nitrate (CN) and cellulose acetate (CA)

reference	∅ (mm)	pore (µm)	type	pcs/pack	price/pack	average price/pc
MACN-447-100	47	0,45	cellulose acetate	100		
MACN-247-100	47	0,20	cellulose acetate	100		
MACN-847-100	47	0,80	cellulose acetate	100		
MCNN-447-100	47	0,45	cellulose nitrate	100		
MCNN-247-100	47	0,20	cellulose nitrate	100		
MCNN-847-100	47	0,80	cellulose nitrate	100		

#### PRAT DUMAS



#### PRAT DUMAS



#### PRAT DUMAS



#### PRAT DUMAS



#### PRAT DUMAS



## BRANCHIA

**Nylon Membrane filters, non-sterile**

Membrane made of hydrophilic Nylon 66. Suitable for sample preparation in HPLC applications. Ideal for routine analysis. High thermal resistance

reference	Ø (mm)	pore (µm)	pcs/pack	price/pack	average price/pc
MFNY-247-200	47	0,22	200		
MFNY-447-200	47	0,45	200		

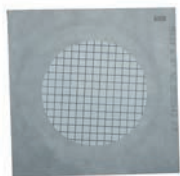
## BRANCHIA

**PES Membrane filters, non-sterile**

Very suitable for culture media assays. Membrane made of Polyethersulfone (PES), inherently hydrophilic. Fast filtration speed. Membrane mechanically very strong and resistant to an extensive range of aqueous solvents. Low protein binding

reference	Ø (mm)	pore (µm)	pcs/pack	price/pack	average price/pc
MFPE-247-200	47	0,22	200		
MFPE-447-200	47	0,45	200		

## PRAT DUMAS

**CN membrane filters, sterile**

White cellulose nitrate membranes (CN) with black grid for microbiology applications. Sterile, individual packaging

reference	Ø (mm)	pore (µm)	pcs/pack	price/pack	average price/pc
MCNE-447-100	47	0,45	100		
MCNE-247-100	47	0,20	100		
MCNE-450-100	50	0,45	100		
MCNE-250-100	50	0,20	100		

## astik's

**Funnel short stem, polypropylene**

Autoclavable at 121 °C

reference	Ø <sub>stem</sub> (mm)	Ø <sub>top</sub> (mm)	l <sub>stem</sub> (mm)	pcs/pack	price/pack	average price/pc
FUSP-050-012	7	50	48	12		
FUSP-062-012	7	62	60	12		
FUSP-075-012	8	75	75	12		
FUSP-100-012	9	100	90	12		
FUSP-150-012	16	150	110	12		

## LBG

**Funnel with long stem**

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard

reference	Ø <sub>top</sub> (mm)	l <sub>stem</sub> (mm)	Ø <sub>stem</sub> (mm)	pcs/pack	price/pack	average price/pc
FUL3-050-006	50	150	7	6		
FUL3-060-006	60	150	8	6		
FUL3-075-006	75	150	9	6		
FUL3-090-006	90	150	11	6		

### Funnel with short stem

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard

reference	$\varnothing_{\text{top}}$ (mm)	$l_{\text{stem}}$ (mm)	$\varnothing_{\text{stem}}$ (mm)	pcs/pack	price/pack	average price/pc
FUS3-040-012	40	50	7	12		
FUS3-050-012	50	50	7	12		
FUS3-060-012	60	60	8	12		
FUS3-075-012	75	75	9	12		
FUS3-090-012	90	90	11	12		
FUS3-100-006	100	100	13	6		
FUS3-120-006	120	120	15	6		

### NEW Funnel, PTFE

Chemically resistant and inert. Smooth, non-sticky internal surface

reference	$\varnothing$ (mm)	$\varnothing_{\text{stem}}$ (mm)	h (mm)	pcs/pack	price/pack
FPTF-050-001	50	10	85	1	
FPTF-070-001	70	12	110	1	
FPTF-100-001	100	14	170	1	

### Powder funnel, polypropylene

Autoclavable at 121 °C

reference	$\varnothing$ (mm)	$\varnothing_{\text{stem}}$ (mm)	pcs/pack	price/pack	average price/pc
PFUP-065-006	65	12	6		
PFUP-080-006	80	12	6		
PFUP-100-006	100	18	6		
PFUP-150-006	150	24	6		

### NEW Thistle funnel

Made of polypropylene. Facilitates the addition of liquids to burettes and narrow neck flasks

reference	$\varnothing_{\text{top}}$ (mm)	$\varnothing_{\text{stem}}$ (mm)	$l_{\text{total}}$ (mm)	pcs/pack	price/pack
THIP-035-001	35	6	250	1	

### Funnel holder

Polypropylene. To hold funnels with top diameter of 50 to 120 mm

reference	type	pcs/pack	price/pack
FHOP-001-001	for 1 funnel	1	

### Separatory funnel, conical, with PTFE stopcock and plastic stopper

Made of borosilicate glass LBG 3.3

reference	capacity	$l$ (mm)	mouth	pcs/pack	price/pack	average price/pc
SFT3-060-002	60 ml	205	14/23	2		
SFT3-125-002	125 ml	260	19/26	2		
SFT3-250-002	250 ml	290	19/26	2		
SFT3-500-002	500 ml	330	24/29	2		
SFT3-1K0-002	1000 ml	400	29/32	2		

LBG



astik's



astik's



astik's



astik's



LBG





### Separatory funnel, conical with PTFE stopcock

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4800 standard

reference	capacity	l (mm)	mouth	pcs/pack	price/pack
SFTG-050-001	50 ml	240	19/26	1	
SFTG-100-001	100 ml	265	19/26	1	
SFTG-250-001	250 ml	320	29/32	1	
SFTG-500-001	500 ml	350	29/32	1	
SFTG-1K0-001	1000 ml	440	29/32	1	
SFTG-2K0-001	2000 ml	490	29/32	1	



### Separatory funnel, conical, with glass stopcock and plastic stopper

Made of borosilicate glass LBG 3.3

reference	capacity	l (mm)	mouth	pcs/pack	price/pack	average price/pc
SFU3-060-002	60 ml	205	14/23	2		
SFU3-125-002	125 ml	260	19/26	2		
SFU3-250-002	250 ml	290	19/26	2		
SFU3-500-002	500 ml	330	24/29	2		



### Separatory funnel, polypropylene

Autoclavable at 121 °C. With screw cap and PP stopcock with PTFE joint

reference	capacity	l (mm)	pcs/pack	price/pack	average price/pc
SFUP-100-002	100 ml	250	2		
SFUP-250-002	250 ml	305	2		
SFUP-500-002	500 ml	355	2		



### Separatory funnel holder

Polypropylene. To hold funnels from 125 ml up to 500 ml

reference	type	pcs/pack	price/pack
SFHP-001-001	for 1 funnel	1	



### Büchner funnel with sintered disc

Made of borosilicate glass LBG 3.3. To be used with a filtering flask with standard ground mouth reference FFK3. Each funnel has a sintered disc with a different porosity grade: 90-150 µm (porosity 1), 40-90 µm (porosity 2), 15-40 µm (porosity 3), 5-15 µm (porosity 4)

reference	capacity	Ø (mm)	joint ST/NS	type	pcs/pack	price/pack
BFU3-A35-001	35 ml	30	19/26	porosity 1	1	
BFU3-B35-001	35 ml	30	19/26	porosity 2	1	
BFU3-C35-001	35 ml	30	19/26	porosity 3	1	
BFU3-D35-001	35 ml	30	19/26	porosity 4	1	
BFU3-A80-001	80 ml	40	29/32	porosity 1	1	
BFU3-B80-001	80 ml	40	29/32	porosity 2	1	
BFU3-C81-001	80 ml	40	19/26	porosity 3	1	
BFU3-C80-001	80 ml	40	29/32	porosity 3	1	
BFU3-D80-001	80 ml	40	29/32	porosity 4	1	
BFU3-20A-001	200 ml	65	29/32	porosity 1	1	
BFU3-20B-001	200 ml	65	29/32	porosity 2	1	
BFU3-21C-001	200 ml	65	19/26	porosity 3	1	
BFU3-20C-001	200 ml	65	29/32	porosity 3	1	
BFU3-20D-001	200 ml	65	29/32	porosity 4	1	



### Hirsch funnel Premium Line

Made of porcelain. Highly resistant to chemical attack. With fixed perforated plate for paper or membrane filters. Glazed inside and outside, except rim. Autoclavable

reference	capacity	$\varnothing_{\text{top}}$ (mm)	h (mm)	for paper filter $\varnothing$	pcs/pack	price/pack
HFFK-030-001	10 ml	30	50	10 mm	1	
HFFK-040-001	12 ml	40	70	13-15 mm	1	
HFFK-050-001	25 ml	50	75	25-30 mm	1	
HFFK-075-001	50 ml	75	130	40-47 mm	1	

### Filtering flask, ground mouth with hose connector

Made of borosilicate glass LBG 3.3

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	$\varnothing_{\text{side hose}}$ (mm)	joint ST/NS	pcs/pack	price/pack
FFK3-101-001	100 ml	64	105	8	29/32	1	
FFK3-102-001	100 ml	64	105	8	19/26	1	
FFK3-250-001	250 ml	85	128	10	29/32	1	
FFK3-500-001	500 ml	105	165	10	29/32	1	
FFK3-1K0-001	1000 ml	131	210	10	29/32	1	

### Filtering flask, Erlenmeyer shape

Manufactured in neutral glass LBG N

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	$\varnothing_{\text{mouth}}$ (mm)	$\varnothing_{\text{side hose}}$ (mm)	pcs/pack	price/pack
FFEN-250-001	250 ml	90	160	30	8	1	
FFEN-500-001	500 ml	115	210	34	10	1	
FFEN-1K0-001	1000 ml	140	245	43	10	1	

### Filtering flask, Erlenmeyer shape

Manufactured with top quality 3.3 borosilicate glass. According to ISO 6556 and USP standard

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	$\varnothing_{\text{mouth}}$ (mm)	$\varnothing_{\text{side hose}}$ (mm)	pcs/pack	price/pack	average price/pc
FFE3-100-002	100 ml	72	105	24	8	2		
FFE3-250-002	250 ml	84	158	29	10	2		
FFE3-500-002	500 ml	106	188	33,5	10	2		
FFE3-1K0-002	1000 ml	135	242	37	12	2		
FFE3-2K0-001	2000 ml	166	280	40	12	1		

NEW

### Filtering flask, PP

Molded in one piece, flasks can withstand full vacuum to 30 mmHg. Suitable for tubing with 6,4 mm to 9,5 mm inner diameter. Side arm tubulation at 45° angle helps prevent tipping

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	$\varnothing_{\text{mouth}}$ (mm)	$\varnothing_{\text{side hose}}$ (mm)	pcs/pack	price/pack
FFEP-250-001	250 ml	91	139	37	6	1	
FFEP-500-001	500 ml	115	186	46	6	1	
FFEP-1K0-001	1000 ml	143	214	48	6	1	
FFEP-2K0-001	2000 ml	158	270	55	6	1	

HDN  
ceramics



LBG



LBG



GLASSCO



astik's



HDN  
ceramics



### Büchner funnel, porcelain, Premium Line

Made of high grade porcelain. Glazed inside and outside except rim. Autoclavable

reference	capacity	$\varnothing_{top}$ (mm)	h (mm)	for paper filter $\varnothing$	pcs/pack	price/pack
BFUK-035-001	35 ml	50	91	35-40 mm	1	
BFUK-100-001	100 ml	65	103	50-55 mm	1	
BFUK-200-001	200 ml	86	140	70 mm	1	
BFUK-350-001	350 ml	105	162	90 mm	1	
BFUK-600-001	600 ml	127	194	110 mm	1	
BFUK-800-001	800 ml	143	200	110-124 mm	1	
BFUK-1K1-001	1150 ml	172	220	142-150 mm	1	
BFUK-2K0-001	2000 ml	210	272	185 mm	1	
BFUK-4K8-001	4800 ml	270	352	240 mm	1	

astik's

### Büchner funnel, polypropylene

Autoclavable at 121 °C. Removable base for an easy cleaning

reference	capacity	$\varnothing_{top}$ (mm)	h <sub>total</sub> (mm)	for paper filter $\varnothing$	pcs/pack	price/pack
BFUP-070-001	120 ml	75	140	70 mm	1	
BFUP-110-001	400 ml	130	210	110 - 125 mm	1	

bb

### GUKO rubber gaskets, for filtering flask

Made of natural rubber, grey

reference	size	d (mm)	d <sub>2</sub> (mm)	a (mm)	b (mm)	pcs/pack	price/pack
GUKO-001-001	1	21	12	18	2,5	1	
GUKO-002-001	2	27	17	20	3	1	
GUKO-003-001	3	33	21	24	3	1	
GUKO-004-001	4	41	27,5	27	4	1	
GUKO-005-001	5	53	33	34	5	1	
GUKO-006-001	6	68	48	35	5,5	1	
GUKO-007-001	7	78	58	35	6	1	
GUKO-008-001	8	89	66	40	6,5	1	

bb

### GUKO set rubber gaskets, for filtering flask

Contains one unit of each of the 8 available sizes

reference	type	pcs/pack	price/pack
GUKO-SET-001	sizes from 1 to 8 (one of each size)	1	

### Filter unit for 47 mm disc filters

Made of top quality 3.3 borosilicate glass. Contains flask, fritted glass holder base, funnel and aluminium clamp. Hose connector is designed for tubing  $\varnothing_{inner}$  6 mm

reference	description	pcs/pack	price/pack
FUC3-1K0-001	complete set with 1000 ml flask	1	
FUC3-2K0-001	complete set with 2000 ml flask	1	
Accessories and spare parts			
FU13-1K0-001	ground joint flask 40/35 1000 ml	1	
FU13-2K0-001	ground joint flask 40/35 2000 ml	1	
FU23-1K0-001	fritted glass support base	1	
FU3M-000-001	aluminum clamp	1	
FU43-250-001	funnel, 300 ml	1	



GLANSCO



### Glass filter holder for 90 mm disc filters

Made of top quality 3.3 borosilicate glass. Contains base and tubulated cap, PTFE-coated stainless steel screen, funnel and aluminium clamp. Flask is not included (see any 40/35 ground joint flask)

reference	description	pcs/pack	price/pack
FUC3-090-001	glass filter holder for 90 mm disc filters	1	
Accessories and spare parts			
FU23-090-001	base and tubulated cap	1	
FU23-09T-001	stainless steel screen, PTFE coated	1	
FU23-09G-001	gasket PTFE	1	
FU43-1K0-001	funnel, 1000 ml, for 90 mm filter holder	1	
FU3M-090-001	aluminium clamp, 90 mm	1	

### Ground joint filter flask 40/35

Made of top quality 3.3 borosilicate glass

reference	description	pcs/pack	price/pack
FU13-1K0-001	ground joint flask 40/35 1000 ml	1	
FU13-2K0-001	ground joint flask 40/35 2000 ml	1	
FU13-5K0-001	ground joint flask 40/35, conical bottom, 5000 ml	1	

### Stainless steel filter manifold

Available in 3 or 6 positions. The manifold includes a hose connector for a tubing with internal diameter 10 mm. Can be connected to any filter holder bearing a stopper size #8, such as FUC3-047-001 or FUSS-047-001

reference	description	pcs/pack	price/pack
MNFA-003-001	stainless steel filter manifold, 3 branches	1	
MNFA-006-001	stainless steel filter manifold, 6 branches	1	

### Filter holder for 25 mm disc filters

Made of top quality 3.3 borosilicate glass. Contains base with fritted glass holder, silicone stopper #5 ( $\varnothing_{\text{upper}}$  27 mm y  $\varnothing_{\text{lower}}$  23 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-100-002

reference	description	pcs/pack	price/pack
FUC3-025-001	filter holder for 25 mm disc filters	1	
Accessories and spare parts			
FU23-025-001	fritted glass base, 25 mm	1	
FU43-015-001	funnel, 15 ml, for 25 mm filter holder	1	
FU23-005-001	silicone stopper #5	1	
FU3M-025-001	aluminium clamp, 25 mm	1	



clink







### Filter holder for 47 mm disc filters

Made of top quality 3.3 borosilicate glass. Includes base with fritted glass holder, silicone stopper #8 ( $\varnothing_{\text{upper}}$  41 mm y  $\varnothing_{\text{lower}}$  33 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-1K0-002 or a Filter manifold

reference	description	pcs/pack	price/pack
FUC3-047-001	filter holder for 47 mm disc filters	1	
Spare parts			
FU23-047-001	fritted glass base, 47 mm	1	
FU43-251-001	funnel, 300 ml,	1	
FU23-008-001	silicone stopper #8	1	
FU3M-001-001	aluminium clamp	1	

clink



### Stainless steel filter holder for 47 mm disc filters

Includes stainless steel holder, support screen and funnel (300 ml), silicone stopper #8 ( $\varnothing_{\text{upper}}$  41 mm y  $\varnothing_{\text{lower}}$  33 mm) and aluminium clamp. Can be connected to any filter holder bearing a stopper size #8

reference	description	pcs/pack	price/pack
FUSS-047-001	stainless steel filter holder for 47 mm disc filters	1	
Spare parts			
FUSS-A01-001	stainless steel support screen, 47 mm	1	
FUSS-A04-001	stainless steel funnel, 300 ml	1	
FUSS-A02-001	silicone stopper #8	1	
FUSS-A03-001	aluminium clamp	1	

PRAT DUMAS

### Thimbles for soxhlet extractors

Made of pure cellulose, neutral cotton, without fat, without any type of binder resin that could contaminate the sample



reference	$\varnothing_{\text{inner}}$ (mm)	$\varnothing_{\text{outer}}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
EXTH-18A-025	18	21	60	25		
EXTH-19B-025	19	22	80	25		
EXTH-22A-025	22	25	60	25		
EXTH-22B-025	22	25	80	25		
EXTH-25B-025	25	29	80	25		
EXTH-26A-025	26	30	60	25		
EXTH-27B-025	27	31	80	25		
EXTH-28B-025	28	32	80	25		
EXTH-28C-025	28	32	100	25		
EXTH-30B-025	30	34	80	25		
EXTH-30C-025	30	34	100	25		
EXTH-33B-025	33	37	80	25		
EXTH-33C-025	33	37	100	25		
EXTH-33G-025	33	37	118	25		
EXTH-33D-025	33	37	130	25		
EXTH-37D-025	37	42	130	25		
EXTH-41H-025	41	46	123	25		
EXTH-41E-025	41	46	150	25		

### Soxhlet extraction apparatus with 30 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser (DRO3-030-001), a 30 ml extractor (EXB3-030-001) and a 100 ml flat bottom flask (BFF3-101-001). The most adequate thimble reference is EXTH-22B-025. According to DIN 12602

reference	ground (a)	ground (b)	description	pcs/pack	price/pack
SOX3-030-001	29/32	29/32	full set	1	
Spare parts					
DRO3-030-001		29/32	Dimroth condenser	1	
EXB3-030-001	29/32	29/32	30 ml extractor body	1	
BFF3-101-001	29/32		100 ml flat bottom flask	1	

### Soxhlet extraction apparatus with 100 ml extractor body

Made of 3.3 borosilicate glass (upper grade). The complete apparatus includes a Dimroth condenser (DROG-100-001), extractor (EXBG-100-001) and flat bottom flask (BFFG-250-001). The most adequate thimble reference is EXTH-33B-025. According to DIN 12602

reference	ground (a)	ground (b)	description	pcs/pack	price/pack
SOH3-100-001	29/32	45/40	full set	1	
Spare parts					
DROG-100-001	45/40		Dimroth condenser	1	
EXBG-100-001	29/32	45/40	100 ml extractor body	1	
BFFG-250-001	29/32		250 ml flat bottom flask	1	
BFLG-250-001	29/32		250 ml round bottom flask	1	

### Soxhlet extraction apparatus with 250 ml extractor body

Made of 3.3 borosilicate glass (upper grade). The complete apparatus includes a Dimroth condenser (DROG-250-001), an extractor (EXBG-250-001) and flat bottom flask (BFFG-500-001). The most adequate thimble reference is EXTH-33D-025. According to DIN 12602

reference	ground (a)	ground (b)	description	pcs/pack	price/pack
SOH3-250-001	29/32	45/40	full set	1	
Spare parts					
DROG-250-001		45/40	Dimroth condenser	1	
EXBG-250-001	29/32	45/40	250 ml extractor body	1	
BFFG-500-001	29/32		500 ml flat bottom flask	1	
BFLG-500-001	29/32		500 ml round bottom flask	1	

### Soxhlet extraction apparatus with 500 ml extractor body

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser (DROG-500-001), and extractor (EXBG-500-001) and a flat bottom flask (BFFG-1K0-001). The most adequate thimble reference is EXTH-41E-025. According to DIN 12602

reference	ground (a)	ground (b)	description	pcs/pack	price/pack
SOH3-500-001	29/32	60/46	full set	1	
Spare parts					
DROG-500-001		60/46	Dimroth condenser	1	
EXBG-500-001	29/32	60/46	500 ml extractor body	1	
BFFG-1K0-001	29/32		1000 ml flat bottom flask	1	
BFLG-1K0-001	29/32		1000 ml round bottom flask	1	

LBG






lbx

**“Rotary Evaporator, LBX EVA 180-B series**

NEW



Set of vertical glassware included (REVA-A01-001). Speed range from 20 to 200 rpm. 5 L water-oil heating universal bath with heating temperature range of RT to 180 °C, with a precise temperature control ( $\pm 1^\circ\text{C}$  in water) and that can be used independently.

LED screen that displays heating temperature, rotation speed and timing. Patented condenser with excellent cooling effect (cooling surface 1700 cm<sup>2</sup>).

Manual lift combined with auxiliary lift for precise positioning of the glassware. Evaporating flask with an ejector, easy to remove.

Chemically resistant double PTFE system and patented pressure spring provide excellent sealing. External dimensions (mm): 440 x 320 x 450 (main unit) and 300 x 300 x 240 (heating bath). Weight: 7 kg (main unit) and 3 kg (heating bath). 100-240 V / 50-60 Hz, insulation rating IP20 (DIN EN60529). Warranty 2 years.

It is recommended to combine with the vacuum pump VACU-R20-001. The most suitable vacuum rubber tubing reference is RUTT-006-002

reference	description	pcs/pack	price/pack
REVB-180-001	rotary evaporator, LBX EVA180-B series	1	

lbx

**“Rotary Evaporator, LBX EVA180 series**

Set of vertical glassware included (REVA-A01-001). Speed range from 20 to 280 rpm. Large 5 L water-oil heating bath with heating temperature range of RT to 180 °C, with precise temperature control ( $\pm 1^\circ\text{C}$  in water) and adjustable safety circuit.

Large and easy to read digital LCD screen displays heating temperature, rotation speed and timing. Patented condenser with excellent cooling effect (cooling surface 1700 cm<sup>2</sup>).

Motorized lift with quick-action, automatic release of evaporating flask to top position in case of power failure. Adjustable final position recognition to protect operator and sample against breakage. Evaporating flask with an ejector, easy to remove.

Chemically resistant double PTFE system and patented pressure spring provide excellent sealing. External dimensions (mm): 583x465x457. Weight (Kg): 15. PC can control and document all parameters via RS232 interface (USB). 100-240 V / 50-60 Hz, insulation rating IP20 (DIN EN60529). Warranty 2 years.

It is recommended to combine with the vacuum pump VACU-R20-001. The most suitable vacuum rubber tubing reference is RUTT-006-002

reference	description	pcs/pack	price/pack
REVA-180-001	rotary evaporator, LBX EVA180 series	1	



lbx

**Accessories and spare parts for rotary evaporators**

For the REVA-180-001 and REVB-180-001 rotary evaporators

reference	description	pcs/pack	price/pack
REVA-A01-001	set of vertical glassware, including condenser, evaporating flask (29/32) and receiving flask (35/20) Volume: 1000 ml	1	
REVA-A02-001	receiving flask (35/20), 1000 ml	1	
REVA-A03-001	vapor tube (29/32)	1	
REVA-A04-001	vacuum seal	1	



**Water vacuum pump with check valve**

Integrated non-return valve. Made of borosilicate glass LBG 3.3

reference	Ø <sub>connector</sub> (mm)	h (mm)	Ø <sub>side hose</sub> (mm)	type	pcs/pack	price/pack
VPU3-018-001	18	150	9	borosilicate glass LBG 3.3	1	

**Connection kit for water vacuum pump**

Allows to fix the water vacuum (VPU3-018-001) to the faucet

reference	type	pcs/pack	price/pack
VPUA-001-001	includes 30 cm of tube and 2 tubing ties	1	

**Water vacuum pump with check valve, polypropylene**

Integrated non-return valve. Can be dismantled easily for cleaning. Autoclavable at 121 °C

reference	Ø <sub>connector</sub> (mm)	h (mm)	Ø <sub>side hose</sub> (mm)	type	pcs/pack	price/pack
VPUP-001-001	13,5	190	9	polypropylene	1	

Spare parts

VPUP-A01-001	spare tube conector for VPUP-001-001				1	
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**Hand operated vacuum pump**

Made of high impact polystyrene. Can reach a vacuum of up to 652 mm Hg pumping manually. With hose connector for tubing with internal Ø 6 mm, for example Ref. RUTT-006-002

reference	type	pcs/pack	price/pack
VACU-H01-001	without vacuum gauge	1	
VACU-H02-001	with vacuum gauge	1	

LBG



astik's



Kartell



Kartell

**NEW PRODUCT!****Rotary Evaporator, LBX EVA 180-B**

Attractive price

Ideal for education and laboratories

Digital screen

Patented condenser with excellent cooling effect

Overtemperature protection



lbx



### Vacuum pump, LBX instruments, V series

For filter units, filtering flasks, desiccators and other laboratory applications. Compact and light weight. Piston powered vacuum pump, 100% oil-free transfer, clean and maintenance free. Silent running (50 dB). Over flow and thermal protection. Motor rotation: 1450 rpm. 220V/50Hz. 2 year warranty. It is recommended to combine vacuum pumps with a vacuum trap, essential in those cases where you work with a filter manifold

reference	flow rate at atm. pres.	max. vacuum	max. power	connector for tube	valve + vac. gauge	pcs/pack	price/pack
VACU-V10-001	18 l/min	-670 mmHg	60 W	Ø 8 mm	yes	1	
VACU-V20-001	20 l/min	-730 mmHg	80 W	Ø 8 mm	yes	1	
VACU-V40-001	68 l/min	-670 mmHg	200 W	Ø 10 mm	yes	1	

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### Chemically resistant vacuum pump, LBX instruments, R series

Chemically resistant pump therefore suitable for highly aggressive or corrosive gases and vapours because all wetted parts are made of PTFE material. For filter units, SPE, gel electrophoresis, rotary evaporator (only VACU-R20-001). Compact and light weight. 100% oil-free transfer, clean and maintenance free. Silent running (50 dB). Thermal protection. Motor rotation: 1450 rpm. 220V/50Hz. 2 year warranty. See the spare parts available for these devices on our website: [www.labbox.com](http://www.labbox.com)

reference	flow rate at atm. pres.	max. vacuum	max. power	connector for tube	valve + vac. gauge	pcs/pack	price/pack
VACU-R10-001	18 l/min	-670 mmHg	60 W	Ø 8 mm	no	1	
VACU-R20-001	18 l/min	-750 mmHg	90 W	Ø 8 mm	no	1	

lbx



### "Accessories and spare parts for vacuum pumps LBX instruments

See other spare parts available for these vacuum pumps on our website: [www.labbox.com](http://www.labbox.com)

reference	description	pcs/pack	price/pack
VACU-S01-001	repair kit for VACU-V10-001	1	
VACU-S02-001	repair kit for VACU-V20-001	1	
VACU-S03-001	repair kit for VACU-R10-001	1	
VACU-S04-001	repair kit for VACU-R20-001	1	
VACU-S05-001	prote™ filter cartridge (overflow protection) for VACU-V10 and -V20 pumps	1	
VACU-S06-001	glass moisture trap/ vacuum regulator for VACU-R10 and -R20 pumps	1	
VACU-S08-001	glass moisture trap/ vacuum regulator for VACU-V10 and -V20 pumps	1	
VACU-S10-001	muffler (Air outlet) for V10 and V20 series	1	
VACU-S12-001	repair kit for VACU-V40-001	1	
VACU-S13-001	glass moisture trap/ vacuum regulator for VACU-V40 pumps	1	
VACU-S14-001	prote™ filter cartridge (overflow protection) for VACU-V40 pumps	1	
VACU-S15-001	hose barb, 1/8 PT, 6/16 in.(9.5mm) for VACU-V10 and V20	1	
VACU-S16-001	hose barb, 1/8 PT, 5/16 in.(8mm) for VACU-V10 and V20	1	
VACU-S17-001	hose barb, 1/8 PT, 4/16 in.(6.4mm) for VACU-V10 and V20	1	
VACU-S18-001	hose barb for VACU-R10 and R20	1	

astik's



### Polycarbonate vacuum trap

Collecting recipient that prevents contaminants from migrating into the vacuum pump and prevents vapors from being emitted back into the laboratory system. Made of resistant PC plastic. With entrance and exit ports for connecting tubes

reference	capacity	dimensions (length x width x height)	connector for tube	pcs/pack	price/pack
VTRA-01L-001	1 L	14 x 15 x 23 cm	Ø 9,4 mm	1	
VTRA-02L-001	2 L	14 x 15 x 33 cm	Ø 9,4 mm	1	
VTRA-04L-001	4 L	23 x 17 x 34 cm	Ø 10,4 mm	1	

NEW

### Rubber vacuum tubing

Natural rubber, red

reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	type	meters per roll	per roll	FYI: per meter
RUTT-004-002	4	10	for 4/5 hose	2		
RUTT-006-002	6	16	for 8/9 hose	2		
RUTT-008-002	8	16	for 9/10 hose	2		
RUTT-010-002	10	22	for 12/13 hose	2		
"Saving package"						
RUTT-004-010	4	10	for 4/5 hose	10		
RUTT-006-010	6	16	for 8/9 hose	10		
RUTT-008-010	8	16	for 9/10 hose	10		
RUTT-010-010	10	22	for 12/13 hose	10		

bb



### Silicone tubing, translucent

For lab applications where liquids must be transferred. Service temperature from -60 up to +200 °C. Certificate of biocompatibility USP Class VI. Meets FDA and BgVV positive lists.

reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	meters per roll	per roll	FYI: per meter
SILT-001-005	1	3	5		
SILT-002-005	2	4	5		
SILT-004-005	4	8	5		
SILT-006-005	6	10	5		
SILT-008-005	8	12	5		
SILT-010-005	10	14	5		
SILT-012-005	12	16	5		
SILT-014-005	14	20	5		
SILT-016-005	16	20	5		
"Saving package"					
SILT-001-025	1	3	25		
SILT-002-025	2	4	25		
SILT-004-025	4	8	25		
SILT-006-025	6	10	25		
SILT-008-025	8	12	25		
SILT-010-025	10	14	25		
SILT-012-025	12	16	25		
SILT-014-025	14	20	25		
SILT-016-025	16	20	25		

bb



### PTFE tubing

Excellent chemical and thermal resistance (from -200 to 260 °C)

reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	meters per roll	per roll	FYI: per meter
TEFT-002-005	2	4	5		
TEFT-004-005	4	6	5		
TEFT-006-005	6	8	5		
TEFT-008-005	8	10	5		
TEFT-010-005	10	12	5		

bb



bb



### Latex tubing

Amber colour. For lab applications where liquids must be transferred

reference	∅ <sub>inner</sub> (mm)	∅ <sub>outer</sub> (mm)	type	meters per roll	per roll	FYI: per meter
LTXT-004-005	4,5	9	for 4/5 hose	5		
LTXT-007-005	7	10	for 8/9 hose	5		
LTXT-008-005	8	12	for 10 hose	5		
LTXT-010-005	10	14	for 12/13 hose	5		
LTXT-012-005	12	18	for 15/16 hose	5		
LTXT-014-005	14	20	for 16 hose	5		
"Saving package"						
LTXT-004-025	4,5	9	for 4/5 hose	25		
LTXT-007-025	7	10	for 8/9 hose	25		
LTXT-008-025	8	12	for 10 hose	25		
LTXT-010-030	10	14	for 12/13 hose	30		
LTXT-012-025	12	18	for 15/16 hose	25		
LTXT-014-020	14	20	for 16 hose	20		

clink



### Mohr's tubing clip

Nickel plated steel. To keep a tubing completely closed or open

reference	type	l (mm)	pcs/pack	price/pack	average price/pc
MOTC-070-005	max. lenght: 10 mm	70	5		

clink



### Hose clamp

Made of stainless steel

reference	∅ (mm)	pcs/pack	price/pack	average price/pc
HOSS-010-005	10-17	5		
HOSS-012-005	12-20	5		
HOSS-015-005	15-25	5		

astik's



### Laboratory tray

Made of polypropylene. Autoclavable at 121°C

reference	l (mm)	w (mm)	h (mm)	pcs/pack	price/pack
TRYP-001-001	375	300	75	1	
TRYP-002-001	450	350	75	1	

astik's



### Laboratory tray for bottles

Made of polypropylene. With handle. Autoclavable at 121°C

reference	h (mm)	l (mm)	w (mm)	pcs/pack	price/pack
TRYP-003-001	115	380	240	1	



### Deep tray, PVC

For general laboratory use. Made of polyvinyl chloride (PVC). Stackable

reference	internal dimensions (length x width x height)	external dimensions (length x width x height)	pcs/pack	price/pack
TRYV-001-001	200 x 150 x 45 mm	245 x 195 x 50 mm	1	
TRYV-002-001	250 x 200 x 60 mm	305 x 250 x 60 mm	1	
TRYV-003-001	320 x 260 x 70 mm	385 x 325 x 75 mm	1	
TRYV-004-001	350 x 300 x 80 mm	420 x 375 x 85 mm	1	
TRYV-005-001	430 x 330 x 90 mm	505 x 405 x 95 mm	1	
TRYV-006-001	520 x 420 x 90 mm	600 x 495 x 100 mm	1	
TRYV-007-001	675 x 530 x 100 mm	765 x 620 x 110 mm	1	
TRYV-008-001	540 x 420 x 180 mm	635 x 515 x 190 mm	1	

### Bow shape tongs for containers

Available in two models: suitable for beakers from 250 to 1500 ml and for flasks from 100 to 2000 ml. Both with cork lined jaws improving the insulation

reference	l (mm)	type	pcs/pack	price/pack	average price/pc
BKTW-300-002	300	for beakers (A)	2		
FLTW-250-002	250	for flasks (B)	2		

### Crucible tongs

Made of stainless steel

reference	l (mm)	pcs/pack	price/pack	average price/pc
<b>Straight model (A)</b>				
CRTS-150-002	150	2		
CRTS-200-002	200	2		
CRTS-250-002	250	2		
CRTS-300-002	300	2		
CRTS-400-002	400	2		
CRTS-500-002	500	2		
<b>Medium bow (B)</b>				
CRTM-150-002	150	2		
CRTM-200-002	200	2		
CRTM-250-002	250	2		
CRTM-300-002	300	2		
CRTM-400-002	400	2		
CRTM-500-002	500	2		

### Scoop for solids

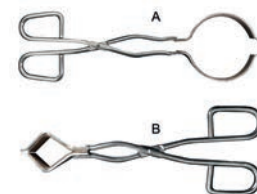
Made of HDPE

reference	capacity	l <sub>total</sub> (mm)	l <sub>useable</sub> (mm)	pcs/pack	price/pack
SCOP-090-001	90 ml	180	125	1	
SCOP-250-001	250 ml	240	155	1	
SCOP-600-001	600 ml	300	195	1	
SCOP-1K1-001	1100 ml	360	240	1	

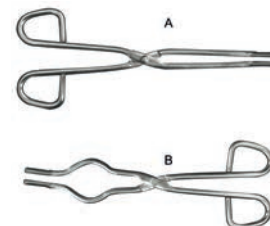
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**Flat bottom measuring scoop for solids**

NEW

Made of polypropylene (PP)



reference	capacity	length (mm)	pcs/pack	price/pack	average price/pc
SCPP-010-012	10 ml	100	12		
SCPP-025-012	25 ml	135	12		
SCPP-050-012	50 ml	160	12		
SCPP-100-012	100 ml	200	6		
SCPP-250-001	250 ml	260	1		
SCPP-500-001	500 ml	315	1		
SCPP-1K0-001	1000 ml	385	1		

clink

**Stainless steel scoop for solids**

NEW

Made in SS 18/10. Hygienic, crevice free construction and fully welded to the handle. Excellent resistance to corrosion and rounded corners for easy cleaning.



reference	capacity	pcs/pack	price/pack
SCOS-060-001	60 ml	1	
SCOS-110-001	110 ml	1	
SCOS-260-001	260 ml	1	
SCOS-470-001	470 ml	1	
SCOS-860-001	860 ml	1	

clink

**Spatula with spoon**

Made of stainless steel



reference	l (mm)	w <sub>spatula</sub> (mm)	pcs/pack	price/pack	average price/pc
SPSS-120-005	120	15	5		
SPSS-150-005	150	18	5		
SPSS-175-005	175	17	5		
SPSS-210-005	210	20	5		

astik's

**Spatula, polyamide**

NEW

Made of polyamide (PA), reinforced glass fiber. Available in two models: spatula-spatula or spatula-spoon.



reference	l (mm)	type	pcs/pack	price/pack	average price/pc
SPSA-D15-012	150	spatula-spatula	12		
SPSA-D18-012	180	spatula-spatula	12		
SPSA-S18-012	180	spatula-spoon	12		
SPSA-S21-012	210	spatula-spoon	12		

astik's

**Spatula with spoon, polypropylene**

Autoclavable at 121 °C



reference	l (mm)	w <sub>spatula</sub> (mm)	pcs/pack	price/pack	average price/pc
SPSP-150-005	150	21	5		
SPSP-200-005	200	22	5		

NEW

**Porcelain spatula with spoon**

Made of porcelain withstands temperatures up to 1150 °C. Glazed

reference	l (mm)	pcs/pack	price/pack
PSWS-123-001	123	1	
PSWS-165-001	165	1	
PSWS-195-001	195	1	

**Laboratory spatula**

Made of stainless steel

reference	l (mm)	w <sub>spatula</sub> (mm)	pcs/pack	price/pack	average price/pc
<b>Doubled curved-end (A)</b>					
SPDS-130-005	130	11	5		
SPDS-150-005	150	11	5		
SPDS-180-005	180	11	5		
SPDS-210-005	210	11	5		
<b>Chattaway (B)</b>					
SPCS-150-005	150	6	5		
SPCS-200-005	200	7	5		
<b>Trulla (C)</b>					
SPTS-001-005	170	22	5		

**Laboratory micro spatula**

Made of stainless steel

reference	l (mm)	w <sub>spatula</sub> (mm)	pcs/pack	price/pack	average price/pc
<b>With spoon (A)</b>					
SPNS-150-005	150	4	5		
SPNS-200-005	200	4	5		
<b>Chattaway (B)</b>					
SPMS-100-005	100	3,5	5		
SPMS-150-005	150	4	5		
SPMS-200-005	200	4	5		

**Spatula with wooden handle**

Blade made of stainless steel

reference	blade (mm)	handle (mm)	pcs/pack	price/pack
SPWS-100-001	100	100	1	
SPWS-150-001	150	100	1	
SPWS-200-001	200	100	1	
SPWS-250-001	250	100	1	
SPWS-300-001	300	100	1	

**Scissors**

Made of stainless steel

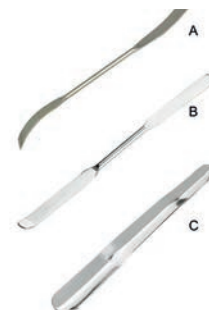
reference	l (mm)	type	pcs/pack	price/pack
SCIS-14A-001	145	dissection straight, pointed/pointed (A)	1	
SCIS-14B-001	145	dissection straight, pointed/blunt (B)	1	
SCIS-14C-001	145	dissection straight, blunt/blunt (C)	1	
SCIS-115-001	115	microscopy straight, pointed/pointed (D)	1	
SCIS-220-001	220	for general use, with PVC handle (E)	1	

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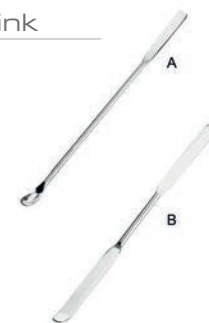
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**Dissection needle**

Stainless steel needle with plastic handle

reference	type	pcs/pack	price/pack	average price/pc
DISS-001-005	pointed needle (A)	5		
DISS-002-005	with blade (B)	5		

clink

**Disposable scalpel**

Single packed, stainless steel blade fitted on plastic handle

reference	type	pcs/pack	price/pack	average price/pc
SCAS-023-010	size 23, sterile	10		

clink

**Laboratory forceps**

Made of stainless steel

reference	l (mm)	type	pcs/pack	price/pack	average price/pc
FORS-001-002	125	straight end (A)	2		
FORS-002-002	120	fine tips, spring (B)	2		
FORS-003-002	136	fine tips (C)	2		
FORS-004-002	110	wide end (D)	2		
FORS-006-002	115	for cover-glasses and membranes (E)	2		
FORS-007-002	120	fine tips, bent (F)	2		

clink

**Chain clamp**

For beakers and other big-diameter flasks. With stainless steel chain and spring

reference	Ø (mm)	pcs/pack	price/pack
CHAS-001-001	80 - 150	1	

clink

**Retort clamp**

Can hold 15 to 65 mm diameter objects

reference	l (mm)	type	pcs/pack	price/pack
RCL2-001-001	245	2 cork-lined prongs (A)	1	
RCL3-001-001	260	3 rubber sleeved prongs (B)	1	
RCL4-001-001	245	4 cork-lined prongs (C)	1	

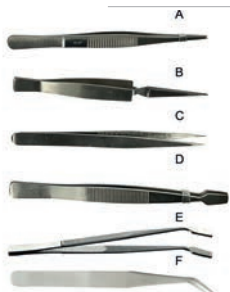
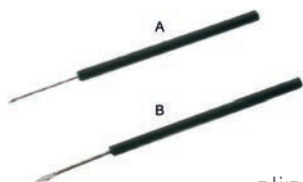
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**Retort clamp four prongs, Premium Line**

Made of die-cast aluminum alloy. Opening from 0 to 80 mm

reference	l (mm)	type	pcs/pack	price/pack
RCP4-001-001	230	4 cork-lined prongs	1	

NEW



**NEW Retort clamp, Premium Line**

Made of antiacid and anticorrosive die-cast aluminum alloy

reference	∅ (mm)	l (mm)	type	pcs/pack	price/pack
RCP2-001-001	30 - 50	200	2 PVC sleeved prongs	1	
RCP2-002-001	50 - 80	220	2 PVC sleeved prongs	1	
RCP2-003-001	30 - 50	200	2 cork-lined prongs	1	
RCP2-004-001	50 - 80	220	2 cork-lined prongs	1	

**Three finger double adjust clamp**

PVC coated prongs

reference	∅ (mm)	type	pcs/pack	price/pack
Without bosshead (A)				
RCD3-035-001	0 - 35	small	1	
RCD3-060-001	0 - 60	large	1	
With bosshead (B)				
RDS3-035-001	0 - 35	small	1	
RDS3-060-001	0 - 60	large	1	

**NEW Retort clamp three prongs, Premium Line**

Made of antiacid and anticorrosive light alloy

reference	∅ (mm)	l (mm)	type	pcs/pack	price/pack
Without bosshead (A)					
RPD3-025-001	10 - 25	170	PVC sleeved prongs	1	
RPD3-045-001	25 - 45	225	cork-lined prongs	1	
With bosshead (B)					
RPS3-025-001	10 - 25	170	PVC sleeved prongs	1	
RPS3-045-001	25 - 45	225	cork-lined prongs	1	

**Thermometer extension clamp**

To hold thermometers, burettes and small diameter objects

reference	l (mm)	type	pcs/pack	price/pack
THCL-001-001	200	without bosshead (A)	1	
THCS-001-001	200	with bosshead (B)	1	

**Open ring retort support with bosshead**

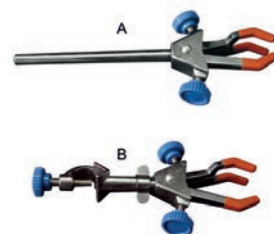
Made of chromium plated steel

reference	∅ (mm)	pcs/pack	price/pack
RROS-060-001	60	1	
RROS-080-001	80	1	
RROS-100-001	100	1	
RROS-120-001	120	1	

clink



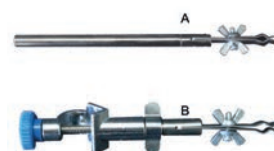
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**Closed retort ring with bosshead**

Made of stout wire



reference	∅ (mm)	pcs/pack	price/pack	average price/pc
RTRS-050-002	50	2		
RTRS-075-002	75	2		
RTRS-100-002	100	2		
RTRS-125-002	125	2		
RTRS-150-002	150	2		

clink

**Retort stand**

Heavy metal sheet with rubber lining. Includes a chromium plated rod with diameter and height shown below



reference	l <sub>base</sub> (mm)	w <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
RTSM-160-001	160	100	670	10	500	1	
RTSM-200-001	200	125	1220	10	500	1	
RTSM-250-001	250	160	1450	10	500	1	
RTSM-300-001	310	200	1600	10	700	1	

clink

**Retort stand**

Metal sheet. Includes an aluminium rod with diameter and height shown below



reference	l <sub>base</sub> (mm)	w <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
RTMM-175-001	175	100	475	9	450	1	
RTMM-225-001	225	125	775	10	500	1	
RTMM-250-001	250	150	970	10	600	1	
RTMM-300-001	300	150	1165	10	700	1	

clink

**Retort stand**

Cast iron. Includes a chromium plated rod 600 mm height



reference	l <sub>base</sub> (mm)	w <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
RTCM-200-001	200	140	860	10	600	1	

clink

**Retort Stand, Premium Line**

Made of steel powder coated Epoxy acid proof. Includes an aluminium rod with diameter and height shown below



reference	l <sub>base</sub> (mm)	w <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
RTSP-200-001	200	130	2500	10	500	1	
RTSP-250-001	250	160	4000	12	600	1	

clink

**Tripod stand**

Cast iron stand. Includes a chromium plated rod 600 mm height



reference	l <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
TSTM-135-001	135	1700	10	600	1	

### Tripod stand, Premium Line

Painted cast iron stand. Includes an aluminium rod 600 mm height

reference	l <sub>base</sub> (mm)	base weight (g)	∅ <sub>rod</sub> (mm)	h <sub>rod</sub> (mm)	pcs/pack	price/pack
TSTP-140-001	140	2500	12	600	1	

### Retort stand, "H" shape

With a heavy metal stand, 3 vertical rods diameter (∅) and height (h), 2 horizontal rods diameter (∅) and length (l) shown below and 6 heads

reference	∅ <sub>rod</sub> (mm)	h (mm)	l (mm)	w (mm)	base weight (g)	pcs/pack	price/pack
HSSM-010-001	10	800	500	250	6500	1	
HSSM-012-001	12	800	500	250	6250	1	

### Bosshead, Fisher type

Suitable for rod diameters from 9 to 16 mm

reference	type	pcs/pack	price/pack	average price/pc
BOSF-001-004	Fisher	4		

### Bosshead, Fisher type, Premium Line

Suitable for rod diameters up to 16 mm

reference	type	pcs/pack	price/pack
BOFP-001-001	Fisher	1	

### Bosshead, squared

Suitable for rod diameters up to 16 mm

reference	type	pcs/pack	price/pack	average price/pc
BOSS-001-004	square	4		

### Bosshead, high strength

Designed to withstand high loads. Suitable for rod diameters up to 19 mm

reference	type	pcs/pack	price/pack
BOSH-001-001	bosshead	1	

### Tripod stand circular top

Cast iron top with zinc plated legs

reference	∅ (mm)	h (mm)	pcs/pack	price/pack
TRSC-175-001	125	175	1	
TRSC-200-001	125	200	1	

clink



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### Ceramic plate, iron wire with ceramic center

Without asbestos

reference	$\varnothing_{\text{ceramic}}$ (mm)	l (mm)	w (mm)	pcs/pack	price/pack
CPLS-100-001	70	100	100	1	
CPLS-125-001	85	125	125	1	
CPLS-150-001	100	150	150	1	
CPLS-200-001	147	200	200	1	

clink



### Laboratory jack

Made of aluminum

reference	l (mm)	w (mm)	$h_{\text{max}}$ (mm)	max. weight	pcs/pack	price/pack
JACA-100-001	100	100	140	30 kg	1	
JACA-150-001	150	150	280	60 kg	1	
JACA-200-001	200	200	290	60 kg	1	

clink



### Glass tube cutter

Zinc alloy with nickel-chromium plated, with hardened steel cutting wheel

reference	type	pcs/pack	price/pack
GTCM-030-001	for up to 30 mm diameter tubes	1	

bb

### Stirring rod

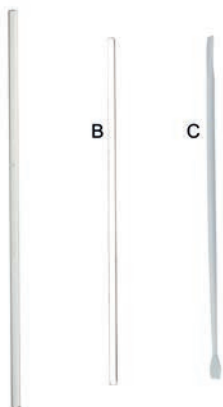
Available in three different materials

reference	$\varnothing$ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
Glass stirring rod with round ends (A)					
STRN-150-005	7	150	5		
STRN-200-005	7	200	5		
STRN-300-005	7	300	5		
STRN-400-005	9	400	5		
PTFE coated steel core (B)					
STRT-300-001	6	300	1		
Policeman stirring rod, polypropylene (autoclavable at 121 °C) (C)					
STRP-245-012	6	245	12		

A

B

C



### Laboratory bottle with ISO thread, graduated, borosilicate 3.3

Made of borosilicate glass 3.3. Fully autoclavable. GL 45 thread (except 50 ml), according to ISO 4796  
With blue screw cap and pouring ring in polypropylene

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	thread	pcs/pack	price/pack	average price/pc
SBG3-050-010	50 ml	46	91	GL 32	10		
SBG3-100-010	100 ml	56	100	GL 45	10		
SBG3-250-010	250 ml	70	138	GL 45	10		
SBG3-500-010	500 ml	86	176	GL 45	10		
SBG3-1K0-010	1000 ml	101	225	GL 45	10		
SBG3-2K0-001	2000 ml	136	260	GL 45	1		
SBG3-5K0-001	5000 ml	186	330	GL 45	1		
SBG3-10K-001	10000 ml	234	410	GL 45	1		
SBG3-20K-001	20000 ml	299	505	GL 45	1		

### Laboratory bottle with ISO thread, graduated, borosilicate 3.3, amber

Made of amber borosilicate glass 3.3. Fully autoclavable. GL 45 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

reference	capacity	$\varnothing_{\text{base}}$ (mm)	h (mm)	thread	pcs/pack	price/pack	average price/pc
SBGA-100-010	100 ml	56	100	GL 45	10		
SBGA-250-010	250 ml	70	138	GL 45	10		
SBGA-500-010	500 ml	86	176	GL 45	10		
SBGA-1K0-010	1000 ml	101	225	GL 45	10		
SBGA-2K0-001	2000 ml	136	260	GL 45	1		

### Laboratory bottle with ISO thread GL 80, graduated

Made of borosilicate glass 3.3. Fully autoclavable at 140 °C. GL 80 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

reference	capacity	dimensions (mm)	h (mm)	thread	pcs/pack	price/pack	average price/pc
SBS3-500-010	500 ml	94 x 94	141	GL 80	10		
SBS3-1K0-010	1000 ml	105 x 105	187	GL 80	10		
SBS3-2K0-001	2000 ml	115 x 115	260	GL 80	1		
SBS3-5K0-001	5000 ml	160 x 160	357	GL 80	1		

### Laboratory bottle with ISO thread GL 80, graduated, amber

Made of amber borosilicate glass 3.3. Fully autoclavable at 140 °C. GL 80 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene.

reference	capacity	dimensions (mm)	h (mm)	thread	pcs/pack	price/pack	average price/pc
SBSA-500-010	500 ml	94 x 94	141	GL 80	10		
SBSA-1K0-010	1000 ml	105 x 105	187	GL 80	10		
SBSA-2K0-001	2000 ml	115 x 115	260	GL 80	1		
SBSA-5K0-001	5000 ml	160 x 160	357	GL 80	1		

SIMAX



SIMAX



SIMAX



SIMAX



SIMAX

### Accessories for laboratory bottles with ISO thread

NEW

Caps and pouring rings of different colors for a better identification of the samples. PP caps and pouring rings have a thermal resistance up to 140°C. PBTB caps with PTFE-coated silicone gasket and ETFE pouring rings can be used up to 200°C, and have a higher chemical resistance than PP



reference	screw	material	description	pcs/pack	price/pack	average price/pc
SBGP-A01-010	GL 45	PP	blue cap	10		
SBGP-A02-005	GL 45	PBTB/PTFE	red cap	5		
SBGP-A05-010	GL 80	PP	blue cap	10		
SBGP-A03-010	GL 45	PP	blue pouring ring	10		
SBGP-A04-005	GL 45	ETFE	red pouring ring	5		
SBGP-A06-010	GL 80	PP	blue pouring ring	10		
SBGP-A07-010	GL 45	PP	green cap	10		
SBGP-A08-010	GL 45	PP	orange cap	10		
SBGP-A09-010	GL 45	PP	yellow cap	10		
SBGP-A10-010	GL 45	PP	clear pouring ring	10		

LBG

### Glass jar with screw cap

Made of neutral glass LBG N. White lid



reference	capacity	∅ (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
TRTN-100-060	100 ml	46	96	TO43	60		
TRTN-450-030	450 ml	67	169	TO63	30		
TRTN-720-020	720 ml	82	173	TO77	20		
TRTN-950-016	950 ml	93	178	TO77	16		

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### PTFE bottle, wide mouth

With screw cap (included). Chemically inert and thermally stable, -200 °C to +280 °C



reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs/pack	price/pack
FRAT-025-001	25 ml	33	61	19	1	
FRAT-100-001	100 ml	52	88	35	1	
FRAT-250-001	250 ml	67	115	42	1	

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### Wide mouth bottle, HDPE

With black lid and insert plug



reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
TROP-060-010	60 ml	57	45	46	10		
TROP-125-010	125 ml	59	70	46	10		
TROP-250-010	250 ml	67	98	62	10		
TROP-500-010	500 ml	80	132	62	10		
TROP-750-005	750 ml	99	127	86	5		
TROP-1K0-005	1000 ml	102	151	86	5		
TROP-2K0-001	2000 ml	118	227	86	1		
"Saving package"							
TROP-060-500	60 ml	57	45	46	500		
TROP-125-300	125 ml	59	70	46	300		
TROP-250-280	250 ml	67	98	62	280		
TROP-500-160	500 ml	80	132	62	160		
TROP-750-112	750 ml	99	127	86	112		
TROP-1K0-090	1000 ml	102	151	86	90		
TROP-2K0-064	2000 ml	118	227	86	64		

### Wide mouth bottle, HDPE, aseptic and single film wrapped

With black lid and insert plug

reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
TRAP-060-500	60 ml	57	45	46	500		
TRAP-125-300	125 ml	59	70	46	300		
TRAP-250-280	250 ml	67	98	62	280		
TRAP-500-160	500 ml	80	132	62	160		
TRAP-750-112	750 ml	99	127	86	112		
TRAP-1K0-090	1000 ml	102	151	86	90		

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### Wide mouth bottle, HDPE, opaque

Bottle and lids are made in white opaque colour. Insert plug included

reference	capacity	∅ (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
TRWP-060-010	60 ml	57	45	46	10		
TRWP-125-010	125 ml	59	70	46	10		
TRWP-250-010	250 ml	67	98	62	10		
TRWP-500-010	500 ml	80	132	62	10		
TRWP-750-005	750 ml	99	127	85	5		
TRWP-1K0-005	1000 ml	102	151	86	5		

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### NEW Specimen container, screw cap, polypropylene

Autoclavable, with raised graduations and leak-proof closure. 25 ml container graduation: each 5 ml up to 20 ml, 50 ml container graduation: each 10 ml up to 40 ml, 80 ml container graduation: each 10 ml up to 60 ml, 150 ml container graduation: each 10 ml up to 120 ml. Lid available in three colors

reference	overflow capacity	∅ <sub>base</sub> (mm)	∅ <sub>lid</sub> (mm)	h <sub>total</sub> (mm)	lid color	pcs/pack	price/pack	average price/pc
SCNP-030-1K0	25 ml	31	37	44	orange	1000		
SCNP-W30-1K0	25 ml	31	37	44	white	1000		
SCNP-G30-1K0	25 ml	31	37	44	green	1000		
SCNP-050-600	50 ml	34	40	70	orange	600		
SCNP-W50-600	50 ml	34	40	70	white	600		
SCNP-G50-600	50 ml	34	40	70	green	600		
SCNP-080-500	80 ml	40	48	64	orange	500		
SCNP-W80-500	80 ml	40	48	64	white	500		
SCNP-G80-500	80 ml	40	48	64	green	500		
SCNP-150-300	150 ml	52	58	80	white	300		

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### NEW Specimen container rack

Made of stainless steel

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
SRSS-A12-001	45	276	97	for 2 x 6 vials (< ∅ 40 mm)	1	
SRSS-A32-001	45	368	187	for 4 x 8 vials (< ∅ 40 mm)	1	
SRSS-B12-001	45	224	171	for 3 x 4 vials (< ∅ 50 mm)	1	
SRSS-B24-001	45	335	228	for 4 x 6 vials (< ∅ 50 mm)	1	

clink



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**Tamper evident jar**

Leak-proof screw cap made of HDPE with security sealing. Body made of PP. Body and cap are made in white color. Ideal for solid sampling, stocking and transport

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
TRPP-050-020	50 ml	35	50	20		
TRPP-100-020	100 ml	50	60	20		
TRPP-250-020	250 ml	65	85	20		
TRPP-500-005	500 ml	90	110	5		
TRPP-1K0-005	1000 ml	110	120	5		

**Reagent bottle clear, narrow mouth, with PP stopper**

Made of 3.3 borosilicate glass (upper grade)

reference	capacity	joint ST/NS	pcs/pack	price/pack
RBG1-250-001	250 ml	19/26	1	
RBG1-500-001	500 ml	24/29	1	
RBG1-1K0-001	1000 ml	29/32	1	

**Reagent bottle amber, narrow mouth, with PP stopper**

Made of 3.3 borosilicate glass (upper grade)

reference	capacity	joint ST/NS	pcs/pack	price/pack
RBG2-250-001	250 ml	19/26	1	
RBG2-500-001	500 ml	24/29	1	
RBG2-1K0-001	1000 ml	29/32	1	

**Clear glass bottle**

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRAN-030-156	30 ml	35	67	PP28	156		
FRAN-060-127	60 ml	38,6	94	PP28	127		
FRAN-125-104	125 ml	49	114,4	PP28	104		
FRAN-250-060	250 ml	61,7	142,9	PP28	60		
FRAN-500-035	500 ml	76,8	176,8	PP28	35		
FRAN-1K0-020	1000 ml	97,5	215,6	PP28	20		

**Amber glass bottle**

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRAA-030-156	30 ml	35	67	PP28	156		
FRAA-060-160	60 ml	38,6	94	PP28	160		
FRAA-125-104	125 ml	49	114,4	PP28	104		
FRAA-250-060	250 ml	61,7	142,9	PP28	60		
FRAA-500-035	500 ml	76,8	176,8	PP28	35		
FRAA-1K0-020	1000 ml	97,5	215,6	PP28	20		



**Clear bottle, PET**

Requires PP28 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FPET-060-078	60 ml	38	96	PP28	78		
FPET-120-187	120 ml	48	115	PP28	187		
FPET-250-126	250 ml	58	148	PP28	126		
FPET-500-090	500 ml	69	180	PP28	90		

**Amber bottle, PET**

Requires PP28 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FPTA-060-078	60 ml	38	96	PP28	78		
FPTA-120-187	120 ml	48	115	PP28	187		
FPTA-250-126	250 ml	58	148	PP28	126		
FPTA-500-090	500 ml	69	180	PP28	90		

**PP28 mouth bottle, HDPE**

Requires PP28 screw cap (not included). Caution: for bottles FRIP-030-010 choose only TP28-X01-020 screw caps

reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
FRIP-030-010	30 ml	36	86	20	10		
FRIP-050-010	50 ml	35	90	20	10		
FRIP-100-010	100 ml	40	105	20	10		
FRIP-250-010	250 ml	58	158	20	10		
FRIP-500-010	500 ml	70	158	20	10		
FRIP-1K0-005	1000 ml	90	213	20	5		
<b>"Saving package"</b>							
FRIP-030-1K0	30 ml	36	86	20	1000		
FRIP-050-800	50 ml	35	90	20	800		
FRIP-100-400	100 ml	40	105	20	400		
FRIP-250-350	250 ml	58	158	20	350		
FRIP-500-180	500 ml	70	158	20	180		
FRIP-1K0-105	1000 ml	90	213	20	105		

**PP28 screw cap, PE**

For our glass bottles references FRAN/FRAA, PET bottles references FPET/FPTA and HDPE bottles references FRIP. Caution: for bottles FRIP-030-010 choose only TP28-X01-020 screw caps

reference	screw	color	pcs/pack	price/pack	average price/pc
TP28-001-020	PP28	white	20		
TP28-002-020	PP28	black	20		
TP28-003-020	PP28	yellow	20		
TP28-004-020	PP28	blue	20		
TP28-005-020	PP28	red	20		
TP28-007-020	PP28	orange	20		
TP28-X01-020	PP28	white	20		
<b>2000 units "Saving package"</b>					
TP28-001-2K0	PP28	white	2000		

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**PP28 screw cap dropper**

Screw cap with dropper-lid. Lid orifice of 3 mm diameter. For our glass bottles FRAN and FRAA

reference	screw	color	pcs/pack	price/pack	average price/pc
TP28-201-020	PP28	white	20		



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**PP28 counter drop screw cap**

Polyethylene counter drop screw cap with seal, nitrile teat and glass tube. For converting to counter-drops our glass bottles FRAN/FRAA, PET bottles FPET/FPTA and HDPE bottles FRIP

reference	screw	type	pcs/pack	price/pack	average price/pc
CG28-030-010	PP28	for 30 ml bottle	10		
CG28-060-010	PP28	for 60 ml bottle	10		
CG28-125-010	PP28	for 125 ml bottle	10		



LBG

**Glass bottle narrow neck with DIN-18 screw cap**

Made of Type III Soda-lime glass according to USP. Available in clear glass. Requires DIN-18 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRGN-010-192	10 ml	25	58	DIN-18	192		
FRGN-030-110	30 ml	33	79	DIN-18	110		
FRGN-050-088	50 ml	37	92	DIN-18	88		
FRGN-100-063	100 ml	44	112	DIN-18	63		



LBG

**Amber glass bottle with DIN-18 screw cap**

Made of Type III Soda-lime glass according to USP. Available in amber glass. Requires DIN-18 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRGA-005-255	5 ml	22	50	DIN-18	255		
FRGA-010-192	10 ml	25	58	DIN-18	192		
FRGA-015-156	15 ml	28	65	DIN-18	156		
FRGA-020-156	20 ml	29	71	DIN-18	156		
FRGA-030-110	30 ml	33	79	DIN-18	110		
FRGA-050-088	50 ml	37	92	DIN-18	88		
FRGA-100-070	100 ml	44	112	DIN-18	70		



LBG

**Blue glass bottle with DIN-18 screw cap**

Made of Type III Soda-lime glass according to USP. Available in blue glass. Requires DIN-18 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRGB-010-192	10 ml	25	58	DIN-18	192		
FRGB-030-110	30 ml	33	79	DIN-18	110		
FRGB-050-088	50 ml	37	92	DIN-18	88		
FRGB-100-070	100 ml	44	112	DIN-18	70		



### Green glass bottle with DIN-18 screw cap

Made of Type III Soda-lime glass according to USP. Available in green glass. Requires DIN-18 screw cap (not included)

reference	capacity	Ø (mm)	h (mm)	screw	pcs/pack	price/pack	average price/pc
FRGG-010-192	10 ml	25	58	DIN-18	192		
FRGG-030-110	30 ml	33	79	DIN-18	110		
FRGG-050-088	50 ml	37	92	DIN-18	88		
FRGG-100-070	100 ml	44	112	DIN-18	70		

### DIN-18 Screw cap dropper

Polyethylene screw cap with dropper-lid. Lid orifice of 4 mm diameter. For our glass bottles FRGN, FRGA, FRGB and FRGG

reference	screw	color	pcs/pack	price/pack	average price/pc
TP18-002-020	DIN-18	black	20		
"Saving package"					
TP18-002-1K0	DIN-18	black	1000		

### DIN-18 counter drop screw cap

Polyethylene counter drop screw cap with seal, silicone teat and glass tube. For converting to counter-drops our glass bottles FRGA, FRGN, FRGB and FRGG

reference	screw	type	pcs/pack	price/pack	average price/pc
CG18-005-020	DIN-18	for 5 ml bottle	20		
CG18-010-020	DIN-18	for 10 ml bottle	20		
CG18-015-020	DIN-18	for 15 ml bottle	20		
CG18-020-020	DIN-18	for 20 ml bottle	20		
CG18-030-020	DIN-18	for 30 ml bottle	20		
CG18-050-020	DIN-18	for 50 ml bottle	20		
CG18-100-020	DIN-18	for 100 ml bottle	20		

### Wide mouth bottle, HDPE

Requires screw cap D34 (not included)

reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
FRAP-125-010	125 ml	48	113	34	10		
FRAP-250-010	250 ml	58	158	34	10		
FRAP-500-010	500 ml	74	166,5	34	10		
FRAP-1K0-005	1000 ml	90	210,5	34	5		
"Saving package"							
FRAP-125-350	125 ml	48	113	34	350		
FRAP-250-350	250 ml	58	158	34	350		
FRAP-500-180	500 ml	74	166,5	34	180		
FRAP-1K0-112	1000 ml	90	210,5	34	112		

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**Wide mouth bottle, HDPE, for photosensitive products**

Black colour. Requires D34 screw cap (not included)



reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
FRBP-125-010	125 ml	48	113	34	10		
FRBP-250-010	250 ml	58	158	34	10		
FRBP-500-010	500 ml	74	166,5	34	10		
FRBP-1K0-005	1000 ml	90	210,5	34	5		
"Saving package"							
FRBP-125-350	125 ml	48	113	34	350		
FRBP-250-350	250 ml	58	158	34	350		
FRBP-500-180	500 ml	74	166,5	34	180		
FRBP-1K0-112	1000 ml	90	210,5	34	112		

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**PE screw cap with tamper-proof closure D34**

For our wide neck bottles FRAP and FRBP



reference	screw	color	pcs/pack	price/pack	average price/pc
TP34-301-010	D34	white	10		
TP34-302-010	D34	black	10		
TP34-304-010	D34	blue	10		
TP34-305-010	D34	red	10		
TP34-306-010	D34	green	10		
"Saving package"					
TP34-301-900	D34	white	900		

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**Narrow mouth bottle, LDPE**

For converting to counter-drops using dropper nozzle with D17 screw cap



reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
FRLP-050-010	50 ml	35	81	17	10		
FRLP-125-010	125 ml	48	108	17	10		
FRLP-250-010	250 ml	58	128	17	10		
"Saving package"							
FRLP-050-800	50 ml	35	81	17	800		
FRLP-125-350	125 ml	48	108	17	350		
FRLP-250-350	250 ml	58	128	17	350		

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**PE dropper nozzle with D17 screw cap**

To use our narrow mouth bottle FRLP as a counter drop



reference	screw	color	pcs/pack	price/pack	average price/pc
CA17-001-010	D17	white	10		
CA17-004-010	D17	blue	10		
CA17-005-010	D17	red	10		
"Saving package"					
CA17-001-1K0	D17	white	1000		

**LDPE dropper bottle**

Manufactured in translucent LDPE, with white PP screw cap and LDPE dosing tip. It allows a reliable and reproducible dosage of liquids. Leak-proof. Suitable for most applications of biotechnology, diagnostics and pharmacy

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
DROP-004-050	4 ml	13,70	48,70	50		
DROP-008-050	8 ml	17,20	54,60	50		
DROP-015-050	15 ml	25,00	56,40	50		
DROP-030-050	30 ml	25,10	80,50	50		

**Spray bottle**

Made of low density polypropylene LDPE

reference	capacity	pcs/pack	price/pack
FVAP-500-001	500 ml	1	
FVAP-900-001	900 ml	1	

**Graduated wide mouth bottle, cylindrical, PP**

Autoclavable at 121 °C. Standard thread according to DIN 13316 and 168

reference	capacity	graduation	Ø (mm)	h (mm)	DIN screw	pcs/pack	price/pack	average price/pc
FRKP-050-010	50 ml	10 ml	38	88	GL32	10		
FRKP-100-010	100 ml	20 ml	48	105	GL32	10		
FRKP-250-010	250 ml	25 ml	60	140	GL45	10		
FRKP-500-005	500 ml	100 ml	75	170	GL45	5		
FRKP-1K0-005	1000 ml	100 ml	95	206	GL63	5		
FRKP-2K0-001	2000 ml	100 ml	120	252	GL63	1		
<b>"Saving package"</b>								
FRKP-050-100	50 ml	10 ml	38	88	GL32	100		
FRKP-100-100	100 ml	20 ml	48	105	GL32	100		
FRKP-250-050	250 ml	25 ml	60	140	GL45	50		
FRKP-500-025	500 ml	100 ml	75	170	GL45	25		
FRKP-1K0-017	1000 ml	100 ml	95	206	GL63	17		
FRKP-2K0-015	2000 ml	100 ml	120	252	GL63	15		

**Narrow mouth round bottle, HDPE**

Rigid and translucent bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Ideal for storage and shipping of liquids. Suitable for freezer storage at -100°C

reference	capacity	Ø <sub>mouth</sub> (mm)	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BBNN-004-012	4	13	16	41	12		
BBNN-008-012	8	20	25	44	12		
BBNN-015-012	15	20	25	58	12		
BBNN-030-012	30	20	36	62	12		
BBNN-060-012	60	20	40,5	85	12		
BBNN-125-012	125	24	51	99	12		
BBNN-250-012	250	24	61	133	12		
BBNN-500-012	500	24	73	170	12		
BBNN-1K0-006	1000	38	92	216	6		

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### Amber narrow mouth round bottle, HDPE

Rigid and amber bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Ideal for storage and shipping of liquids. Suitable for freezer storage at -100°C. Reduce UV light transmission to help protect light sensitive samples

reference	capacity	Ø <sub>mouth</sub> (mm)	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BBNA-004-012	4	13	16	41	12		
BBNA-008-012	8	20	25	44	12		
BBNA-015-012	15	20	25	58	12		
BBNA-030-012	30	20	36	62	12		
BBNA-060-012	60	20	40,5	85	12		
BBNA-125-012	125	24	51	99	12		
BBNA-250-012	250	24	61	133	12		
BBNA-500-012	500	24	73	170	12		
BBNA-1K0-006	1000	38	92	216	6		

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### Wide mouth round bottle, HDPE

Rigid and translucent bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Wide neck opening allows easy filling of dry matter and liquids. Suitable for freezer storage at -100°C

reference	capacity	Ø <sub>mouth</sub> (mm)	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BBWN-030-012	30	28	36,5	62,5	12		
BBWN-060-012	60	28	38,5	85	12		
BBWN-125-012	125	38	50,5	99	12		
BBWN-250-012	250	43	61,5	133	12		
BBWN-500-012	500	53	82,5	170	12		
BBWN-1K0-006	1000	63	91,5	199	6		

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### Amber wide mouth round bottle, HDPE

Rigid and amber bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Wide neck opening allows easy filling of dry matter and liquids. Suitable for freezer storage at -100°C. Reduce UV light transmission to help protect light sensitive samples

reference	capacity	Ø <sub>mouth</sub> (mm)	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
BBWA-030-012	30	28	36,5	62,5	12		
BBWA-060-012	60	28	38,5	85	12		
BBWA-125-012	125	38	50,5	99	12		
BBWA-250-012	250	43	61,5	133	12		
BBWA-500-012	500	53	82,5	170	12		
BBWA-1K0-006	1000	63	91,5	199	6		

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### Security seal for bottles

Allows to seal bottles having security rings in the body and in the cap (for example labbox references FRRP, FRGP and FRSP). Each seal has a single serial number printed

reference	type	pcs/pack	price/pack	average price/pc
SSEP-001-020	red plastic	20		
SSEP-002-010	stainless steel wire	10		



### Wide mouth bottle graduated, cylindrical, LDPE, with star cap

With screw cap and insert plug. With rings in bottle body and cap for security sealing

reference	capacity	graduation	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
FRRP-050-010	50 ml	10 ml	40	78	10		
FRRP-100-010	100 ml	20 ml	48	90	10		
FRRP-250-010	250 ml	25 ml	61	125	10		
FRRP-500-010	500 ml	50 ml	75	161	10		
FRRP-1K0-005	1000 ml	100 ml	93	201	5		
FRRP-2K0-001	2000 ml	100 ml	115	250	1		
"Saving package"							
FRRP-050-600	50 ml	10 ml	40	78	600		
FRRP-100-400	100 ml	20 ml	48	90	400		
FRRP-250-350	250 ml	25 ml	61	125	350		
FRRP-500-120	500 ml	50 ml	75	161	120		
FRRP-1K0-115	1000 ml	100 ml	93	201	115		
FRRP-2K0-060	2000 ml	100 ml	115	250	60		



### Wide mouth bottle graduated, rectangular, HDPE, with star cap

With screw cap and insert plug. With rings in bottle body and cap for security sealing

reference	capacity	l (mm)	w (mm)	h (mm)	pcs/pack	price/pack	average price/pc
FRSP-050-010	50 ml	37	37	72	10		
FRSP-100-010	100 ml	44	46	90	10		
FRSP-250-010	250 ml	55	60	115	10		
FRSP-500-010	500 ml	66	80	136	10		
FRSP-1K0-005	1000 ml	82	102	177	5		
FRSP-2K0-001	2000 ml	101	134	215	1		
"Saving package"							
FRSP-050-600	50 ml	37	37	72	600		
FRSP-100-300	100 ml	44	46	90	300		
FRSP-250-350	250 ml	55	60	115	350		
FRSP-500-100	500 ml	66	80	136	100		
FRSP-1K0-115	1000 ml	82	102	177	115		
FRSP-2K0-070	2000 ml	101	134	215	70		



### Narrow neck graduated bottle, cylindrical, LDPE

With screw cap and insert plug. With rings in bottle body and cap for security sealing

reference	capacity	Ø (mm)	h (mm)	Ø <sub>mouth</sub> (mm)	pcs/pack	price/pack	average price/pc
FRGP-050-010	50 ml	39	76	18,5	10		
FRGP-125-010	125 ml	46	115	18,5	10		
FRGP-250-010	250 ml	60	138	23	10		
FRGP-500-010	500 ml	74	165	23	10		
FRGP-1K0-005	1000 ml	93	201	34,5	5		
FRGP-2K0-001	2000 ml	116	275	34,5	1		
"Saving package"							
FRGP-050-100	50 ml	39	76	18,5	100		
FRGP-125-100	125 ml	46	115	18,5	100		
FRGP-250-050	250 ml	60	138	23	50		
FRGP-500-115	500 ml	74	165	23	115		
FRGP-1K0-100	1000 ml	93	201	34,5	100		
FRGP-2K0-055	2000 ml	116	275	34,5	55		



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### Graduated bottle with rectangular base

Made of HDPE. Ergonomic design. 75 mm screw cap (included)

reference	capacity	dimensions (mm)	color	pcs/pack	price/pack	average price/pc
SUBP-2K0-001	2000 ml	95x115x245	white	1		
SUBP-2K1-001	2000 ml	95x115x245	amber	1		
"Saving package"						
SUBP-2K0-052	2000 ml	95x115x245	white	52		
SUBP-2K1-052	2000 ml	95x115x245	amber	52		

LBG



### Clear crimp cap sample vial

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures of 20 mm diameter (not included)

reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
IVMN-010-192	10 ml	25,4	53,5	192		
IVMN-020-120	20 ml	32	58	120		
IVMN-030-092	30 ml	36	62,8	92		
IVMN-050-084	50 ml	42,5	73	84		
IVMN-100-066	100 ml	51,6	94,5	66		

LBG



### Amber crimp cap sample vial

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures of 20 mm diameter (not included)

reference	capacity	Ø <sub>base</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
IVMA-010-192	10 ml	25,4	53,5	192		
IVMA-020-120	20 ml	32	58	120		

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### Cap and closures for 20 mm crimp caps vials

Aluminium caps and chlorobutyle closures for sample vials Ref. IVMN, IVMA

reference	type	pcs/pack	price/pack	average price/pc
CIVM-001-100	aluminium cap closure, crimp seal, removable center (A)	100		
CIVR-001-100	rubber closure, snap-on (B)	100		
DIVR-001-100	rubber closure for lyophilization (C)	100		



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### Sample transport tube with skirt

Made of PP with white HDPE screw cap (included). With conical bottom and skirt, molded graduation each 0,5 ml and frosted writing surface

reference	capacity	Ø <sub>tube</sub> (mm)	Ø <sub>cap</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
SVSP-005-100	5 ml	16	20	60	100		
SVSP-010-100	10 ml	16	20	96	100		

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### Sample transport tube with skirt, Premium Line

Made of PP with white HDPE screw cap (included). With conical bottom and skirt, molded graduation each 0,5 ml and frosted writing surface. Designed for preparing, transporting and storing biological material such as blood, urine and fecal matter. Leak-proof test to be complied with BS EN14254 and BS5213. Shatter-proof and resistant to freezing temperatures down to -20°. Withstand centrifugation up to 6000 xg

reference	capacity	Ø <sub>tube</sub> (mm)	Ø <sub>cap</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
SVSP-P05-100	5 ml	16	20	56,5	100		
SVSP-P10-100	10 ml	16	20	85	100		



NEW

### McCartney glass bottle with aluminum screw cap

Made of borosilicate glass. Aluminium screw cap and silicon liner included. Particularly used in microbiology. Autoclavable

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
MCBN-025-125	25 ml	28	85	125		

### Clear glass sample vial

With white screw cap and EPE joint (included)

reference	normal capacity	overflow capacity	Ø (mm)	h (mm)	pcs/pack	price/pack	average price/pc
SVSN-C04-306	3,5 ± 0,5 ml	3,85 ± 0,5 ml	16	35	306		
SVSN-C06-306	5 ± 0,5 ml	5,5 ± 0,5 ml	16	45	306		
SVSN-C10-195	8 ± 0,5 ml	9,5 ± 0,5 ml	22	45	195		
SVSN-C13-195	11 ± 1,0 ml	12,5 ± 1,0 ml	24	45	195		
SVSN-C19-195	16 ± 1,0 ml	17,5 ± 1,0 ml	24	60	195		
SVSN-C26-121	22 ± 0,5 ml	24,5 ± 0,5 ml	30	55	121		
"Saving package"							
SVSN-C04-1K2	3,5 ± 0,5 ml	3,85 ± 0,5 ml	16	35	4 x 306		
SVSN-C06-1K2	5 ± 0,5 ml	5,5 ± 0,5 ml	16	45	4 x 306		
SVSN-C10-780	8 ± 0,5 ml	9,5 ± 0,5 ml	22	45	4 x 195		
SVSN-C13-780	11 ± 1,0 ml	12,5 ± 1,0 ml	24	45	4 x 195		
SVSN-C19-780	16 ± 1,0 ml	17,5 ± 1,0 ml	24	60	4 x 195		
SVSN-C26-484	22 ± 0,5 ml	24,5 ± 0,5 ml	30	55	4 x 195		

### Screw cap for sample vials

Replacement screw cap and EPE joint for labbox vials SVSN

reference	type	pcs/pack	price/pack	average price/pc
SC04-W13-025	white screw cap Ø13 mm for SVSN-C04 and -C06	25		
SC04-W20-025	white screw cap Ø20 mm for SVSN-C10, -C13 and -C19	25		
SC04-W22-025	white screw cap Ø22 mm for SVSN-C26, -C32 and -C37	25		

### Stainless steel vial rack

For sample vials SVSN

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTSS-S48-001	30	160	122	for 8 x 6 vials (< Ø16 mm)	1	
TTSS-T48-001	30	209	160	for 8 x 6 vials (< Ø22 mm)	1	
TTSS-U48-001	35	232	176	for 8 x 6 vials (< Ø25 mm)	1	
TTSS-V48-001	40	272	205	for 8 x 6 vials (< Ø30 mm)	1	

### Narrow neck wash bottle

Made of LDPE (low density polyethylene)

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack
WBTP-100-001	100 ml	43	218	1	
WBTP-250-001	250 ml	58	218	1	
WBTP-500-001	500 ml	70	218	1	
WBTP-750-001	750 ml	81	253	1	
WBTP-1K0-001	1000 ml	90	270	1	

LBG



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**Wide neck wash bottle**

Made of LDPE (low density polyethylene). Screw cap available in different colors to identify the content

reference	capacity	∅ (mm)	∅ <sub>mouth</sub> (mm)	screw	type	pcs/pack	price/pack
WBGp-250-001	250 ml	60	38	GL45	neutral cap	1	
WBGp-253-001	250 ml	60	38	GL45	yellow cap	1	
WBGp-254-001	250 ml	60	38	GL45	blue cap	1	
WBGp-255-001	250 ml	60	38	GL45	red cap	1	
WBGp-500-001	500 ml	75	38	GL45	neutral cap	1	
WBGp-503-001	500 ml	75	38	GL45	yellow cap	1	
WBGp-504-001	500 ml	75	38	GL45	blue cap	1	
WBGp-505-001	500 ml	75	38	GL45	red cap	1	

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**Safety wash bottle, labelled, wide mouth**

Made of LDPE (low density polyethylene) and PP closure (polypropylene). English print, highly visible and solvent resistant. Includes a Chemical Abstract Service (CAS) n°, National Fire Protection Association (NFPA) codes and symbols, Protective Equipment Symbol, Target Organ Information and Hazard codes. Screw cap colour-coded

reference	capacity	∅ <sub>mouth</sub> (mm)	type	pcs/pack	price/pack
WBSP-501-001	500 ml	53	distilled water - neutral cap	1	
WBSP-502-001	500 ml	53	ethanol - white cap	1	
WBSP-503-001	500 ml	53	acetone - red cap	1	
WBSP-504-001	500 ml	53	methanol - green cap	1	
WBSP-505-001	500 ml	53	isopropanol - yellow cap	1	

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**Drum with faucet**

Made of HDPE (high density polyethylene). Screw cap and faucet included. BIGP-21K-001 is delivered with the hole for the key open

reference	h (mm)	l (mm)	w (mm)	∅ <sub>mouth</sub> (mm)	capacity	pcs/pack	price/pack
BIGP-10K-001	380	300	150	46	10 L	1	
BIGP-21K-001	460	330	175	46	20 L	1	

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**Cylindrical drum with faucet**

Made of HDPE (high density polyethylene). Screw cap and faucet included

reference	h (mm)	∅ (mm)	∅ <sub>mouth</sub> (mm)	capacity	pcs/pack	price/pack
BCGP-05K-001	355	167	51	5 L	1	
BCGP-10K-001	430	212	51	10 L	1	
BCGP-25K-001	580	275	80	25 L	1	
BCGP-50K-001	715	350	80	50 L	1	

Accessories and spare parts

BCGP-A01-001	faucet	1	
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**PP cylindrical container with handle**

White color. Pressure lid, seal system by a border (P system) and "Easy-opening" design

reference	capacity	∅ <sub>base</sub> (mm)	h (mm)	∅ <sub>mouth</sub> (mm)	pcs/pack	price/pack
CBIP-2K0-001	2,5 L	170	138	184	1	
CBIP-3K0-001	3,8 L	166	176	184	1	
CBIP-5K0-001	5,6 L	191	194	210	1	
CBIP-8K0-001	8,0 L	226	221	253	1	

### Double bag for sample transport

Made of polyethylene with biohazard logo and 2 pouches (one for sample with ziplock and one for documents)

reference	dimensions (sample pouch)	dimensions (documents pouch)	pcs/pack	price/pack	average price/pc
BZBP-160-100	160 x 200 mm	160 x 230 mm	100		

### Zip lock plain bag

Made of polyethylene

reference	w (mm)	l (mm)	pcs/pack	price/pack	average price/pc
BZIP-055-100	55	55	100		
BZIP-060-100	60	80	100		
BZIP-070-100	70	100	100		
BZIP-080-100	80	120	100		
BZIP-100-100	100	150	100		
BZIP-120-100	120	180	100		
BZIP-150-100	150	200	100		
BZIP-180-100	180	250	100		
BZIP-200-100	200	300	100		
BZIP-250-100	250	330	100		
BZIP-300-100	300	400	100		

1000 units "Saving package"

BZIP-055-1K0	55	55	10 x 100		
BZIP-060-1K0	60	80	10 x 100		
BZIP-070-1K0	70	100	10 x 100		
BZIP-080-1K0	80	120	10 x 100		
BZIP-100-1K0	100	150	10 x 100		
BZIP-120-1K0	120	180	10 x 100		
BZIP-150-1K0	150	200	10 x 100		
BZIP-180-1K0	180	250	10 x 100		
BZIP-200-1K0	200	300	10 x 100		
BZIP-250-1K0	250	330	10 x 100		
BZIP-300-1K0	300	400	10 x 100		

### Zip lock bag with write on panels

Made of polyethylene

reference	w (mm)	l (mm)	pcs/pack	price/pack	average price/pc
BZWP-060-100	60	80	100		
BZWP-070-100	70	110	100		
BZWP-100-100	100	150	100		
BZWP-120-100	120	180	100		
BZWP-150-100	150	220	100		
BZWP-180-100	180	250	100		
BZWP-200-100	200	300	100		

1000 units "Saving package"

BZWP-060-1K0	60	80	10 x 100		
BZWP-070-1K0	70	110	10 x 100		
BZWP-100-1K0	100	150	10 x 100		
BZWP-120-1K0	120	180	10 x 100		
BZWP-150-1K0	150	220	10 x 100		
BZWP-180-1K0	180	250	10 x 100		
BZWP-200-1K0	200	300	10 x 100		

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## BRANCHIA



### Extraction and dispersive kits for QuEChERS method according to EN 15662

Extraction and dispersive kits for QuEChERS method (Quick, Easy, Cheap, Effective, Rugged and Safe) for sample preparation for analysis of multi-residual pesticides in fruits, vegetables and other foods.

The extraction kit (QECH-E10-050) includes 50 extraction pouches (4 g  $MgSO_4$  + 1 g NaCl + 1 g tri-sodium citrate + 0.5 g Citrate di-sodium sesquihydrate) and 50 centrifuge tubes Premium Line of 50 ml.

Equivalent: Agilent 5982-5650

The dispersive kit for general fruits and vegetables (QECH-D22-050) includes 50 dispersive pouches (150 mg PSA + 900 mg  $MgSO_4$ ) and 50 centrifuge tubes Premium Line of 15 ml. Equivalent: Agilent 5982-5056

The dispersive kit for fruits and vegetables with fats and waxes (QECH-D32-050) includes 50 dispersive pouches (150 mg PSA + 150 mg C18 + 900 mg  $MgSO_4$ ) and 50 centrifuge tubes Premium Line of 15 ml.

Equivalent: Agilent 5982-5156

The dispersive kit for pigmented fruits and vegetables (QECH-D20-050) includes 50 dispersive pouches (150 mg PSA + 150 mg GCB + 900 mg  $MgSO_4$ ) and 50 centrifuge tubes Premium Line of 15 ml.

Equivalent: Agilent 5982-5256

The dispersive kit for highly pigmented fruits and vegetables (QECH-D24-050) includes 50 dispersive pouches (150 mg PSA + 45 mg GCB + 900 mg  $MgSO_4$ ) and 50 centrifuge tubes Premium Line of 15 ml.

Equivalent: Agilent 5982-5356

reference	description	pcs/pack	price/pack	Average price/pc
QECH-E10-050	extraction kit	50		
QECH-D22-050	dispersive kit for general fruits and vegetables	50		
QECH-D32-050	dispersive kit for fruits and vegetables with fats and waxes	50		
QECH-D20-050	dispersive kit for pigmented fruits and vegetables	50		
QECH-D24-050	dispersive kit for highly pigmented fruits and vegetables	50		
QECH-H15-025	ceramic homogenizer for 15 ml tubes	25		

## BRANCHIA



### SPE – Solid phase extraction cartridges

4 types of traditional SPE absorbents for most of commonly used applications in column of 3 or 6 ml and luer connection

C18: End-capped silica-based octadecyl. Suitable for non-polar compounds. Surface area 300 m<sup>2</sup>/g, particle size 40-60 μm, pore size 120 Å

SILICA: Silica unbounded silica gel. Suitable for polar compounds. Surface area 480 m<sup>2</sup>/g, particle size 40-75 μm, pore size 70 Å

FLORISIL: Florisil pesticide grade. Suitable for halogenated and polar compounds such as multiresidual pesticides. Particle size 150-250 μm

NH2: Silica-based aminopropyl. Suitable for moderately polar and acidic compounds. Surface area 200 m<sup>2</sup>/g, particle size 40-75 μm, pore size 100 Å

reference	phase	quantity (mg)	volume (ml)	pcs/pack	price/pack	Average price/pc
SPHE-C35-050	C18	500	3	50		
SPHE-C65-030	C18	500	6	30		
SPHE-S35-050	SILICA	500	3	50		
SPHE-S61-030	SILICA	1000	6	30		
SPHE-F35-050	FLORISIL	500	3	50		
SPHE-F61-030	FLORISIL	1000	6	30		
SPHE-N35-050	NH2	500	3	50		
SPHE-N65-030	NH2	500	6	30		

## BRANCHIA



### Vacuum manifold for Solid Phase Extraction SPE

Compatible with SPHE and standard luer-end SPE cartridges. Made of transparent glass, high resistance to corrosion. Withstands more than 96 kPa (720 mm Hg) vacuum pressure with no deformation, long-term use.

Individual valves allow vacuum control for each cartridge improving reproducibility. Joint highly resistant to corrosion and PTFE internal tube rack. Includes gauge, lid, collection rack, solvent guide needles and silicone tube

reference	type	pcs/pack	price/pack
MNFL-S12-001	12 positions, square	1	



### Hydrophilic nylon Syringe Filters, nonsterile

Membrane made of hydrophilic Nylon 66. Suitable for sample preparation in HPLC applications, ideal for routine analysis. Housing: Polypropylene (PP), blue color. Designed with connectors: FLL/MSL

reference	Ø <sub>outer</sub> (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFNY-122-100	13	0,22	100		
SFNY-145-100	13	0,45	100		
SFNY-222-100	25	0,22	100		
SFNY-245-100	25	0,45	100		
"Saving package"					
SFNY-122-1K0	13	0,22	10 x 100		
SFNY-145-1K0	13	0,45	10 x 100		
SFNY-222-1K0	25	0,22	10 x 100		
SFNY-245-1K0	25	0,45	10 x 100		

### Hydrophobic PTFE Syringe Filters, nonsterile

Suitable for sample preparation in HPLC application. Membrane made of hydrophobic Polytetrafluoroethylene (PTFE), resistant to almost all aggressive organic solvents, acids and bases. High thermal resistance. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL

reference	Ø <sub>outer</sub> (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFPT-122-100	13	0,22	100		
SFPT-145-100	13	0,45	100		
SFPT-222-100	25	0,22	100		
SFPT-245-100	25	0,45	100		

### Hydrophilic PVDF Syringe Filters, nonsterile

Suitable for sample preparation in HPLC application and ideal in sterilization and clarification of biological solutions. Membrane made of hydrophilic Polyvinylidene fluoride (PVDF), low protein binding membrane for filtration of non aggressive aqueous solutions and slightly organic solutions. Housing: Polypropylene (PP), yellow color. Designed with connectors: FLL/MSL

reference	Ø <sub>outer</sub> (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFPV-122-100	13	0,22	100		
SFPV-145-100	13	0,45	100		
SFPV-222-100	25	0,22	100		
SFPV-245-100	25	0,45	100		

### Hydrophilic MCE Syringe Filters, nonsterile

Suitable for clarification or sterilization of most typical aqueous samples. It is ideal for biological samples or culture media filtration. Membrane made of hydrophilic M.E. Cellulose (MCE), very uniform porosity and high protein adsorption. Housing: Polypropylene (PP), green color. Designed with connectors: FLL/MSL

reference	Ø <sub>outer</sub> (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFMC-122-100	13	0,22	100		
SFMC-145-100	13	0,45	100		
SFMC-222-100	25	0,22	100		
SFMC-245-100	25	0,45	100		

#### BRANCHIA



#### BRANCHIA



#### BRANCHIA



#### BRANCHIA



## BRANCHIA

## Hydrophilic CA Syringe Filters

Ideal for aqueous based samples and suitable for all those applications in which the maximum recovery of proteins is required. Membrane made of Cellulose Acetate (CA) inherently hydrophilic. Low protein binding. High mechanical strength. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))



reference	∅ <sub>outer</sub> (mm)	pore (µm)	type	pcs/pack	price/pack	Average price/pc
SFCA-122-100	13	0,22	non sterile	100		
SFCA-145-100	13	0,45	non sterile	100		
SFCA-222-100	25	0,22	non sterile	100		
SFCA-245-100	25	0,45	non sterile	100		
SFCA-12E-100	13	0,22	sterile	100		
SFCA-14E-100	13	0,45	sterile	100		
SFCA-22E-050	25	0,22	sterile	50		
SFCA-24E-050	25	0,45	sterile	50		

## BRANCHIA

## Hydrophilic PES Syringe Filters

Very suitable for culture media assays. Membrane made of Polyethersulfone (PES), inherently hydrophilic. Fast filtration speed. Membrane mechanically very strong and resistant to an extensive range of aqueous solvents. Low protein binding. Housing: Polypropylene (PP), light green. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))



reference	∅ <sub>outer</sub> (mm)	pore (µm)	type	pcs/pack	price/pack	Average price/pc
SFPE-122-100	13	0,22	non sterile	100		
SFPE-145-100	13	0,45	non sterile	100		
SFPE-222-100	25	0,22	non sterile	100		
SFPE-245-100	25	0,45	non sterile	100		
SFPE-12E-100	13	0,22	sterile	100		
SFPE-14E-100	13	0,45	sterile	100		
SFPE-22E-050	25	0,22	sterile	50		
SFPE-24E-050	25	0,45	sterile	50		

## b

## Hand crimper and decapper

To crimp and to de-crimp vials with aluminum caps



reference	type	pcs/pack	price/pack
<b>Crimpers (A)</b>			
VCRI-C11-001	for Ø11 mm caps	1	
VCRI-C20-001	for Ø20 mm caps	1	
<b>Decappers (B)</b>			
VCRI-D11-001	for Ø11 mm caps	1	
VCRI-D20-001	for Ø20 mm caps	1	
<b>Plier type decappers (C)</b>			
VCRI-P11-001	for Ø11 mm caps	1	
VCRI-P20-001	for Ø20 mm caps	1	

## METRIA

## Crimp vial for chromatography, 12x32 mm, 2 ml

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use aluminium crimp caps 11 mm



reference	∅ (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
CV01-C20-100	11,6	32	clear	100		
CV01-A20-100	11,6	32	amber	100		
CVP1-C02-100	11,6	32	clear with write-on patch	100		

### Aluminum crimp cap with septa silicon/FEP

For vials with beaded rim and cap size 11 mm. FEP (Fluorinated ethylene propylene) is a fluoropolymer of the same family than PTFE and with similar chemical resistance

reference	type	pcs/pack	price/pack	Average price/pc
CC01-S02-100	red silicone/FEP septa	100		

### Saving package: Kit of 1000 crimp vials and 1000 crimp cap

We supply 10 cartons of 100 crimp vials and 10 bags of 100 crimp cap with septa silicon/FPE

reference	description	pcs/pack	price/pack	Average price/pc
CVCC-C2S-1K0	1000 vials CV01-C20 + 1000 crimp caps CC01-S02	1000		
CVCC-A2S-1K0	1000 vials CV01-A20 + 1000 crimp caps CC01-S02	1000		
CVPC-CS2-1K0	1000 vials CVP1-C02 + 1000 crimp caps CC01-S02	1000		

### Screw vial for chromatography, 12 x 32 mm, 2 ml, screw cap

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use screw caps 9-425

reference	∅ (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
SV02-C20-100	11,6	32	clear	100		
SV02-A20-100	11,6	32	amber	100		
SVP2-C02-100	11,6	32	clear with write-on patch	100		
SVP2-A02-100	11,6	32	amber with write-on patch	100		

### Screw cap with septa silicon/PTFE

Caps made of polypropylene suitable for screw caps 9-425. In "Pre-slit" reference, septa is preperced for an optimal injection

reference	type	pcs/pack	price/pack	Average price/pc
SC02-W02-100	silicone/PTFE septa	100		
SC02-P02-100	pre-slit silicone/PTFE septa	100		

### Saving package: Kit of 1000 screw vials and 1000 screw cap with septa

We supply 10 cartons of 100 screw vials and 10 bags of 100 screw cap with septa

reference	description	pcs/pack	price/pack	Average price/pc
With silicon/PTFE septa				
SVSC-C20-1K0	1000 vials SV02-C20 + 1000 caps SC02-W02	1000		
SVSC-A20-1K0	1000 vials SV02-A20 + 1000 caps SC02-W02	1000		
SVPC-C20-1K0	1000 vials SVP2-C02 + 1000 caps SC02-W02	1000		
SVPC-A20-1K0	1000 vials SVP2-A02 + 1000 caps SC02-W02	1000		
With silicon/PTFE "pre-slit" septa				
SVSC-C2P-1K0	1000 vials SV02-C20 + 1000 caps SC02-P02	1000		
SVSC-A2P-1K0	1000 vials SV02-A20 + 1000 caps SC02-P02	1000		
SVPC-CP2-1K0	1000 vials SVP2-C02 + 1000 caps SC02-P02	1000		
SVPC-AP2-1K0	1000 vials SVP2-A02 + 1000 caps SC02-P02	1000		

METRIA



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**Snap-top vial for chromatography, 2 ml**

NEW

Borosilicate glass USP type I, wide mouth and flat base. Designed to be used with plastic snap top caps. These caps eliminate the need for crimping. They simply snap over the top of the vial, sealing the contents safe inside



reference	type	pcs/pack	price/pack	Average price/pc
STV2-C20-100	clear	100		
STV2-A20-100	amber	100		
STP2-C20-100	clear with write-on patch	100		
STP2-A20-100	amber with write-on patch	100		

METRIA

**Snap cap for snap-top vials with PTFE/Silicone septum**

NEW

Snap cap with red PTFE (11 mm)/White Silicone (1 mm) (0,04") septum



reference	type	pcs/pack	price/pack	Average price/pc
STC2-P20-100	septa white silicon / red PTFE	100		
STC2-W20-100	septa pre-slit white silicon / red PTFE	100		

METRIA

**Insert for 2 ml chromatography vials**

NEW

Clear glass, flat-base, conical base or conical base with polyspring. For use with 2 mL screw top vials



reference	Ø x h (mm)	type	pcs/pack	price/pack	Average price/pc
SVI2-FBA-100	6 x 31	flat base	100		
SVI2-CBA-100	6 x 31	conical base	100		
SVI2-CBP-100	6 x 29	conical base with Polyspring	100		

astik's

**Plastic vial freezer box**

Made of polypropylene. Autoclavable and suitable for freezing. Natural colour

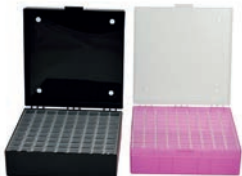


reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-081-001	51	128	128	up to 81 vials 2 ml (Ømax. 12 mm)	1	
FBXP-100-001	53	140	140	up to 100 vials 2 ml (Ømax. 12 mm)	1	

astik's

**Plastic vial freezer box with hinged lid**

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from -130 °C up to +130 °C)



reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-K01-001	62	140	140	clear/magenta, for 81 vials (Ømax. 12 mm)	1	
FBXP-K02-001	62	140	140	black/black, for 81 vials (Ømax. 12 mm)	1	

astik's

**Stainless steel vial rack**

For chromatography vials 12 x 32 mm



reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTSS-R24-001	25	86	64	for 6 x 4 chromatography vials	1	
TTSS-R50-001	25	150	80	for 10 x 5 chromatography vials	1	

NEW

**Chromatography screw top vials, 4mL, 15 x 45 mm**

Borosilicate glass USP type I. Wide mouth, flat base and 13-425 screw thread

reference	Ø (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
SV04-C40-100	15	45	clear	100		
SV04-A40-100	15	45	amber	100		
SVP4-C40-100	15	45	clear with write-on patch	100		
SVP4-A40-100	15	45	amber with write-on patch	100		

NEW

**Open top screw cap with 13-425 thread, PTFE/Silicone septum**

Black polypropylene (PP) cap, 13-425 thread, with 13 mm thick red PTFE/White Silicone, 1,5mm (0,06") thick septum. For use with 4mL vial

reference	type	pcs/pack	price/pack	Average price/pc
SC04-R40-100	septa white silicon / red PTFE	100		

NEW

**Headspace crimp vial, 20 mm**

Borosilicate clear glass USP type I, beveled edge

reference	Ø x h (mm)	vol. (ml)	type	pcs/pack	price/pack	Average price/pc
CHVF-C10-100	22,5 x 46	10	flat bottom	100		
CHVR-C10-100	22,5 x 46	10	flat-rounded bottom	100		
CHVF-C20-100	22,5 x 46	20	flat bottom	100		
CHVR-C20-100	22,5 x 46	20	flat-rounded bottom	100		

NEW

**Aluminium crimp cap, Ø20 mm, with septum**

Open top with a 10mm hole and 3 mm (0,125") thick septum

reference	type	pcs/pack	price/pack	Average price/pc
CHCA-S20-100	septa white silicon / natural PTFE	100		
CHCA-B20-100	moulded septa butyl / natural PTFE	100		

NEW

**Shell vial, 1 ml**

Flat base, clear glass with plug

reference	Ø x h (mm)	vol. (ml)	pcs/pack	price/pack	Average price/pc
SHV1-C40-200	8 x 40	1	200		

METRIA



METRIA



METRIA



METRIA



METRIA





### Glass Chromatography Columns

NEW

Top quality 3.3 borosilicate glass, chemical resistant, to be used with SGEC-200-500 or SGEC-060-500 in chromatographic applications. 2 types: **(A)** With PTFE needle valve stopcock: PTFE Roteflo stopcock for fine control of eluent flow, sintered disc, socket for reservoirs and porosity 0. **(B)** With PTFE key stopcock: Sintered frit disc, PTFE stopcock (bore: 0-2,5mm) and socket.

reference	Ø x h (mm)	vol. (ml)	socket size (female)	type	pcs/pack	price/pack
GLAC-N02-001	10 x 200	-	14/23	A	1	
GLAC-N03-001	10 x 300	-	14/23	A	1	
GLAC-N05-001	20 x 200	-	19/26	A	1	
GLAC-N07-001	20 x 400	-	19/26	A	1	
GLAC-N11-001	30 x 400	-	29/32	A	1	
GLAC-N12-001	30 x 500	-	29/32	A	1	
GLAC-K01-001	10 x 100	8	14/23	B	1	
GLAC-K02-001	10 x 200	15	14/23	B	1	
GLAC-K03-001	15 x 200	35	14/23	B	1	
GLAC-K04-001	10 x 300	23	14/23	B	1	
GLAC-K05-001	20 x 400	125	29/32	B	1	
GLAC-K07-001	30 x 600	430	29/32	B	1	

labkem



### Silica Gel for Column Chromatography

NEW

High purity silica gel with a structure of pores of the highest quality, its appearance is a white granulate of homogeneous size. It is used as a carrier material for chromatography, but also for the separation and purification of medicine compounds as well as in the refining of oleic, petroleum products and aromatic hydrocarbons

reference	particle size	pore	package	price/pack
SGEC-200-500	0,063-0,200 mm	60 Å	500 g	
SGEC-060-500	0,040-0,063 mm	60 Å	500 g	

METRIA



### Thin layer chromatography plates (TLC)

NEW

Silica gel plates backed with aluminium or glass for TLC in different sizes. Silica gel: particle size 5-17 µm, pore size 60 Å, specific pore volume 0,75 ml/g, specific surface area 500 m<sup>2</sup>/g.

Aluminium backed plates: Coating thickness 0,15-0,20 mm, Sodium organic acid as a binder.

Glass backed plates: Coating thickness 0,20-0,25mm, Acrylics and/or customized agents as binder

reference	dimensions (mm)	type	pcs/pack	price/pack	Average price/pc
TLCP-AI0-250	25 x 75	backed in aluminium with F254	250		
TLCP-AI1-080	50 x 100	backed in aluminium with F254	80		
TLCP-AI2-020	100 x 200	backed in aluminium with F254	20		
TLCP-AI3-020	200 x 200	backed in aluminium with F254	20		
TLCP-AN3-020	200 x 200	backed in aluminium without F254	20		
TLCP-GI1-160	50 x 100	backed in glass with F254	160		
TLCP-GI2-040	100 x 200	backed in glass with F254	40		
TLCP-GI3-020	200 x 200	backed in glass with F254	20		
TLCP-GN3-020	200 x 200	backed in glass without F254	20		

LBG



### Squared glass chamber

NEW

In soda-lime glass, includes lid. Suitable for TLC and other purposes

reference	dimensions (length x width x height)	pcs/pack	price/pack
SGCH-S01-001	215 x 100 x 140 mm	1	
SGCH-S02-001	220 x 140 x 140 mm	1	
SGCH-S03-001	225 x 225 x 125 mm	1	



## Solvents for chromatography

## Acetone

labkem

CAS: 67-64-1 MW: 58,08 EC: 200-662-2 TARIC code: 29141100 Restriction: Drugs Precursors Cat. 3



ADR: 3 F1 II UN 1090 IMDG: 3 II UN 1090 IATA: 3 II UN 1090

Acetone HPLC <b>GGR</b>	reference	packaging	price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (330 nm) < 1.00 UV-Abs. max. lim. (340 nm) < 0.06 UV-Abs. max. lim. (350 nm) < 0.01 UV Cutoff < 330nm	Assay > 99.7% Colour (Hazen) < 10 Water (KF) < 0.25% Res. on evap. < 0.0001% Tit. acid < 0.0003mEq/g Tit. base < 0.0006mEq/g	Solub. in H <sub>2</sub> O passes test Subst. red. KMnO <sub>4</sub> passes test Aldehydes < 0.002% Methanol < 0.05% 2-Propanol < 0.05%	ACET-0GH-2K5 2,5 L
		ACET-0GH-P04 4x2,5 L	
Acetone Pesticide Grade <b>PGR</b>	reference	packaging	price
Assay > 99.5% Water (KF) < 0.5%	Colour (Hazen) < 10 Non-Vol. Mat. < 0.0005%	ACET-0GC-2K5 2,5 L	
		ACET-0GC-P04 4x2,5 L	

## Acetonitrile

labkem

CAS: 75-05-8 MW: 41,05 EC: 200-835-2 TARIC code: 29269095



ADR: 3 F1 II UN 1648 IMDG: 3 II UN 1648 IATA: 3 II UN 1648

Acetonitrile GC / HPLC <b>GGR</b>	reference	packaging	price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (190 nm) < 1.00 UV-Abs. max. lim. (195 nm) < 0.15 UV-Abs. max. lim. (200 nm) < 0.05 UV-Abs. max. lim. (205 nm) < 0.04	UV-Abs. max. lim. (210 nm) < 0.02 UV-abs. max. lim. (220 nm) < 0.01 UV-Abs. max. lim. (254 nm) < 0.009 UV Cutoff < 190nm LC Gradient Suitability Gradient Elution test passes test	Assay > 99.9% Colour (Hazen) < 10 H <sub>2</sub> O (by KF) < 0.01% Res. on evap. < 0.0001% Tit. acid < 0.008mEq/g Tit. base < 0.0006mEq/g	ACTN-0GH-2K5 2,5 L
		ACTN-0GH-P04 4x2,5 L	
Acetonitrile LC/MS <b>LGR</b>	reference	packaging	price
Assay > 99.9% Water (KF) < 0.01% Colour (Hazen) < 10 Alkal. (Ammonia) < 0.0006% Acid. (Acetic acid) < 0.008% Res. on evap. < 0.0001% Ni < 0.000002% Ba < 0.00001% Fe < 0.00001% Al < 0.00005% Ca < 0.00001% Cr < 0.000002% Cu < 0.000002% Mn < 0.000002% Co < 0.000002%	Mg < 0.0001% Na < 0.00001% K < 0.00001% Pb < 0.00001% Cd < 0.000005% Ag < 0.00001% Sn < 0.00001% Zn < 0.00001% Grad. elut. H. Peak (210 nm) < 0.0005AU Grad. elut. H. Peak (254 nm) < 0.0002AU T195nm > 78% T200nm > 90% T220nm > 98% T240nm > 99% LC Gradient Suitability Passes test	ACTN-LCM-2K5 2,5 L	
		ACTN-LCM-P04 4x2,5 L	

## 1-Butanol

labkem

CAS: 71-36-3 MW: 74,12 EC: 200-751-6 TARIC code: 29051300



ADR: 3 F1 III UN 1120 IMDG: 3 III UN 1120 IATA: 3 III UN 1120

1-Butanol HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.03% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 230 nm > 65% UV-Tr. (1cm;Wat.) 240 nm > 80% UV-Tr. (1cm;Wat.) 250 nm > 90% UV-Tr. (1cm;Wat.) 260 nm > 95%	UV-Tr. (1cm;Wat.) 310 nm > 99% Fluorescence (as quinine): F (quin.) 254 nm < 0.0000002% F (quin.) 365 nm < 0.0000002%	BUTL-1GH-2K5 2,5 L



## Cyclohexane

labkem

CAS: 110-82-7 MW: 84.16 EC: 203-806-2 TARIC code: 29021100 Restriction: Hydrocarbon

 $C_6H_{12}$ 

ADR: 3 II UN 1145 IMDG: 3 II UN 1145 IATA: 3 II UN 1145

Cyclohexane HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.5% Water (KF) > 0.01% Acidity > 0.0005meq/g Res. on evap. > 0.0005%	UV-Tr. (1cm;Wat.) 210 nm < 60% UV-Tr. (1cm;Wat.) 220 nm < 80% UV-Tr. (1cm;Wat.) 230 nm < 95% UV-Tr. (1cm;Wat.) 240 nm < 98%	UV-Tr. (1cm;Wat.) 250 nm < 99% F254 nm (Quinine) > 0.0000001% F365 nm (Quinine) > 0.0000001%	CYHX-00H-2K5 2,5 L
		CYHX-00H-P04 4x2,5 L	

## Dichloromethane

labkem

CAS: 75-09-2 MW: 84,93 EC: 200-838-9 TARIC code: 29031200

 $CH_2Cl_2$ 

ADR: 6.1 III UN 1593 IMDG: 6.1 III UN 1593 IATA: 6.1 III UN 1593

Dichloromethane (stabilized with amylene) HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.01% Acidity < 0.0005meq/g Alkalinity < 0.0005%	Non-Vol. Mat. < 0.0005% Stabilizer (amylene) 0.005% Res. on ignition < 0.0002% UV-Tr. (1cm;Wat.) 235 nm > 40%	UV-Tr. (1cm;Wat.) 240 nm > 75% UV-Tr. (1cm;Wat.) 250 nm > 98% UV-Tr. (1cm;Wat.) 260 nm > 99%	DCHM-0GH-2K5 2,5 L
		DCHM-0GH-P04 4x2,5 L	
Dichloromethane (stabilized with amylene) Pesticide Grade <b>PGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.05%	Stabilizer (amylene) 50ppm Acidity < 0.0005meq/g	Non-Vol. Mat. < 0.0005%	DCHM-0GC-2K5 2,5 L
			DCHM-0GC-P04 4x2,5 L

## Dimethyl sulfoxide

labkem

CAS: 67-68-5 MW: 78,13 EC: 200-664-3 TARIC code: 29309099

 $(CH_3)_2SO$ 

Dimethyl sulfoxide HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.5% Water (KF) < 0.05% Colour (Hazen) < 10 Acidity < 0.001meq/g	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 280 nm > 60% UV-Tr. (1cm;Wat.) 300 nm > 75% UV-Tr. (1cm;Wat.) 320 nm > 90%	UV-Tr. (1cm;Wat.) 330 nm > 95% UV-Tr. (1cm;Wat.) 360 nm > 98%	DMSO-0GH-2K5 2,5 L
		DMSO-0GH-P04 4x2,5 L	

## Ethyl acetate

labkem

CAS: 141-78-6 MW: 88,1 EC: 205-500-4 TARIC code: 29153100

 $CH_3COOC_2H_5$ 

ADR: 3 F1 II UN 1173 IMDG: 3 II UN 1173 IATA: 3 II UN 1173

Ethyl acetate HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.02% Acidity < 0.0005meq/g	Non-Vol. Mat. < 0.0005meq/g UV-Tr. (1cm;Wat.) 260 nm > 70% UV-Tr. (1cm;Wat.) 270 nm > 90%	UV-Tr. (1cm;Wat.) 280 nm > 95% UV-Tr. (1cm;Wat.) 300 nm > 99%	ETAC-0GH-2K5 2,5 L
		ETAC-0GH-P04 4x2,5 L	

## Heptane

labkem

CAS: 142-82-5 MW: 100,21 EC: 921-510-4 TARIC code: 29011000 Restriction: Hydrocarbon

 $C_7H_{16}$ 

ADR: 3 II UN 1206 IMDG: 3 II UN 1206 IATA: 3 II UN 1206

n-Heptane 95% Pesticide Grade <b>PGR</b>	reference	packaging	price
Assay > 95.0% Water (KF) < 0.02%	Colour (Hazen) < 10 Res. on evap. < 0.0005%		HPTN-5GC-2K5 2,5 L
			HPTN-5GC-P04 4x2,5 L
n-Heptane 99% HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.0% Water (KF) < 0.02% Colour (Hazen) < 10	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 210 nm > 40% UV-Tr. (1cm;Wat.) 220 nm > 80%	UV-Tr. (1cm;Wat.) 230 nm > 93% UV-Tr. (1cm;Wat.) 240 nm > 97% UV-Tr. (1cm;Wat.) 250 nm > 98%	HPTN-9GH-2K5 2,5 L
			HPTN-9GH-P04 4x2,5 L

## Hexane

labkem

CAS: 110-54-3 MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 F1 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

 $C_6H_{14}$ 

n-Hexane 95% HPLC GGR	reference	packaging	price
Assay > 95.0% Water (KF) < 0.01% Colour (Hazen) < 10 Acidity < 0.0005meq/g Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 200 nm > 30% UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 85% UV-Tr. (1cm;Wat.) 230 nm > 94% UV-Tr. (1cm;Wat.) 240 nm > 97%	HXAN-5GH-2K5	2,5 L	
	HXAN-5GH-P04	4x2,5 L	
n-Hexane 95% Pesticide Grade <b>PGR</b>	reference	packaging	price
Assay > 95% Water (KF) < 0.02% Colour (Hazen) < 10 Acidity < 0.0005meq/g Res. on evap. < 0.0005%	HXAN-5GC-2K5	2,5 L	
	HXAN-5GC-P04	4x2,5 L	

## Hexane, Isomer mix

labkem

MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

 $C_6H_{14}$ 

n-Hexane (isomers) HPLC GGR	reference	packaging	price
Assay (Isomer mix) > 99% C <sub>6</sub> H <sub>14</sub> Isomer Mix > 99% Water (KF) < 0.01% Acidity < 0.0005meq/g Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 80% UV-Tr. (1cm;Wat.) 230 nm > 95% UV-Tr. (1cm;Wat.) 240 nm > 98% UV-Tr. (1cm;Wat.) 250 nm > 99%	HXAN-IGH-2K5	2,5 L	
	HXAN-IGH-P04	4x2,5 L	

## Isooctane

labkem

CAS: 540-84-1 MW: 114,23 EC: 208-759-1 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1262 IMDG: 3 II UN 1262 IATA: 3 II UN 1262

 $C_8H_{18}$ 

Isooctane HPLC <b>GGR</b>	reference	packaging	price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (205 nm) < 1.00 UV-Abs. max. lim. (225 nm) < 0.10 UV-Abs. max. lim. (254 nm) < 0.014 UV Cutoff < 205nm Assay (C <sub>8</sub> H <sub>18</sub> ) > 99.0% Colour (Hazen) < 10 Water (KF) < 0.02% Res. on evap. < 0.0004% Wat. sol. titr. acid < 0.0003mEq/g S comp. < 0.005%	ISCT-0GH-2K5	2,5 L	
	ISCT-0GH-P04	4x2,5 L	
Isooctane Pesticide Grade <b>PGR</b>	reference	packaging	price
Assay (C <sub>8</sub> H <sub>18</sub> ) > 99% Water (KF) < 0.02% Colour (Hazen) < 10 Acidity < 0.0005meq/g Res. on evap. < 0.0005%	ISCT-0GC-2K5	2,5 L	
	ISCT-0GC-P04	4x2,5 L	

## Methanol

labkem

CAS: 67-56-1 MW: 32,04 EC: 200-659-6 TARIC code: 29051100

CH<sub>3</sub>OH

ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



Methanol GC / HPLC <b>GGR</b>	reference	packaging	price		
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (205 nm) < 1.00 UV-abs. max. lim. (220 nm) < 0.25 UV-Abs. max. lim. (230 nm) < 0.15 UV-Abs. max. lim. (254 nm) < 0.02 UV-Abs. max. lim. (280 nm) < 0.01	UV Cutoff < 205nm LC Gradient Suitability Gradient Elution test passes test Assay > 99.9% Colour (Hazen) < 10 H <sub>2</sub> O (by KF) < 0.05% Res. on evap. < 0.0003%	Titr. acid < 0.0003mEq/g Titr. base < 0.0002mEq/g Carbonyl comp. < 0.001% Subs. dark. by H <sub>2</sub> SO <sub>4</sub> passes test Subst. red. KMnO <sub>4</sub> passes test Solub. in H <sub>2</sub> O passes test	MTOL-0GH-2K5 MTOL-0GH-P04	2,5 L 4x2,5 L	
Methanol LC/MS <b>LGR</b>	reference	packaging	price		
Assay > 99.9% App. Clear colourless liquid H <sub>2</sub> O (by KF) < 0.05% Colour (Hazen) < 10 Acid. (Acetic acid) < 0.0003% Alkal. (Ammonia) < 0.0002% Res. on evap. < 0.001% Grad. elut. H. Peak (254 nm) < 0.002AU T220nm > 60%	T235nm > 85% T260nm > 98% LC Gradient Suitability Passes test Ni < 0.000002% Ba < 0.00001% Fe < 0.00001% Al < 0.00005% Ca < 0.00001% Cr < 0.000002% Cu < 0.000001%	Mn < 0.000001% Co < 0.000002% Mg < 0.00001% Na < 0.00001% K < 0.00001% Pb < 0.000002% Cd < 0.000005% Ag < 0.00001% Sn < 0.00001% Zn < 0.00001%	MTOL-LCM-2K5 MTOL-LCM-P04	2,5 L 4x2,5 L	

## Petroleum ether 40-60

labkem

CAS: 64742-49-0 EC: 265-151-9 TARIC code: 27101225 Restriction: Hydrocarbon

ADR: 3 II UN 1268 IMDG: 3 II UN 1268 IATA: 3 II UN 1268



Petroleum ether 40-60 HPLC <b>GGR</b>	reference	packaging	price		
Water < 0.01% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 80% UV-Tr. (1cm;Wat.) 230 nm > 90%	UV-Tr. (1cm;Wat.) 240 nm > 98% UV-Tr. (1cm;Wat.) 250 nm > 99%	PEET-4GH-2K5 PEET-4GH-P04	2,5 L 4x2,5 L	

## 1-Propanol

labkem

CAS: 71-23-8 MW: 60,1 EC: 200-746-9 TARIC code: 29051200

CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH

ADR: 3 F1 II UN 1274 IMDG: 3 II UN 1274 IATA: 3 II UN 1274



1-Propanol HPLC <b>GGR</b>	reference	packaging	price		
Assay > 99.5% Water (KF) < 0.05% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 250 nm > 90% UV-Tr. (1cm;Wat.) 290 nm > 98% UV-Tr. (1cm;Wat.) 300 nm > 99%		PROL-1GH-2K5 PROL-1GH-P04	2,5 L 4x2,5 L	

## 2-Propanol

labkem

CAS: 67-63-0 MW: 60,1 EC: 200-661-7 TARIC code: 29051200



ADR: 3 F1 II UN 1219 IMDG: 3 II UN 1219 IATA: 3 II UN 1219



2-Propanol HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.1% Colour (Hazen) < 10 Acidity < 0.0005meq/g  Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 210 nm > 40% UV-Tr. (1cm;Wat.) 220 nm > 56% UV-Tr. (1cm;Wat.) 230 nm > 75%  UV-Tr. (1cm;Wat.) 240 nm > 91% UV-Tr. (1cm;Wat.) 250 nm > 96%	PROL-2GH-2K5	 2,5 L	
	PROL-2GH-P04	 4x2,5 L	
2-Propanol LC/MS <b>LGR</b>	reference	packaging	price
Assay > 99.9% Filtered through 0.2 µm App. Clear colourless liquid H <sub>2</sub> O (by KF) < 0.05% Colour (Hazen) < 5 Acid. (Acetic acid) < 0.002% Alkal. (Ammonia) < 0.002% Res. on evap. < 0.0005% Grad. elut. H. Peak (210 nm) < 0.002AU  Grad. elut. H. Peak (254 nm) < 0.002AU T210nm > 40% T220nm > 80% T230nm > 90% T250nm > 98% Ca < 0.00001% Mg < 0.00001% Na < 0.00001% K < 0.00001%	PROL-LCM-2K5	 2,5 L	
	PROL-LCM-P04	 4x2,5 L	

## Tetrahydrofuran

labkem

CAS: 109-99-9 MW: 72,11 EC: 203-726-8 TARIC code: 29321100



ADR: 3 F1 II UN 2056 IMDG: 3 II UN 2056 IATA: 3 II UN 2056



Tetrahydrofuran HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.02% Acidity < 0.0005meq/g  Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 240 nm > 70% UV-Tr. (1cm;Wat.) 250 nm > 80%  UV-Tr. (1cm;Wat.) 260 nm > 90% UV-Tr. (1cm;Wat.) 270 nm > 98% UV-Tr. (1cm;Wat.) 280 nm > 99%	TETR-0GH-2K5	 2,5 L	
	TETR-0GH-P04	 4x2,5 L	

## Toluene

labkem

CAS: 108-88-3 MW: 92,14 EC: 203-625-9 TARIC code: 29023000 Restriction: Hydrocarbon



ADR: 3 F1 II UN 1294 IMDG: 3 II UN 1294 IATA: 3 II UN 1294



Toluene HPLC <b>GGR</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.02% S compounds < 0.003% Acidity < 0.0005meq/g  Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 290 nm > 50% UV-Tr. (1cm;Wat.) 300 nm > 80% UV-Tr. (1cm;Wat.) 310 nm > 90%  UV-Tr. (1cm;Wat.) 330 nm > 97% UV-Tr. (1cm;Wat.) 350 nm > 98%	TOLN-0GH-2K5	 2,5 L	
	TOLN-0GH-P04	 4x2,5 L	

## Water

labkem

CAS: 7732-18-5 MW: 18,02 EC: 231-791-2 TARIC code: 28530010



Water GC / HPLC <b>GGR</b>	reference	packaging	price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (190 nm) < 0.01 UV-Abs. max. lim. (200 nm) < 0.01  UV-Abs. max. lim. (250-400 nm) < 0.005 UV Cutoff < 190nm LC Grad. Suit. Grad. Elut. test passes test  Colour (Hazen) < 5 Res. on evap. < 0.001%	WATR-00H-2K5	 2,5 L	
	WATR-00H-P04	 4x2,5 L	
Water LC/MS <b>LGR</b>	reference	packaging	price
App. Clear colourless liquid Reserpine < 0.000005% Colour (Hazen) < 10 Res. on evap. < 0.001%  LC Grad. Suit. Passes test T190nm > 97% T200nm > 98% T(250nm - 400nm) > 99%  Fe < 0.000005% Al < 0.000005% Ca < 0.000005% Mg < 0.000005%  Na < 0.000005% K < 0.000005%	WATR-LCM-2K5	 2,5 L	
	WATR-LCM-P04	 4x2,5 L	

clink

**Test tube holder**

Made of spring steel wire. Length: 17 cm

reference	type	pcs/pack	price/pack	average price/pc
TTHS-001-002	stainless steel, for tubes $\varnothing$ 6 - 32 mm	2		

bb

**Test tube holder**

Made of wood, total length 20 cm

reference	type	pcs/pack	price/pack	average price/pc
TTHW-001-001	hard wood, for tubes up to $\varnothing$ 20 mm	1		
"Saving package"				
TTHW-001-010	hard wood, for tubes up to $\varnothing$ 20 mm	10		

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**Plastic test tubes**

Round bottom. In polybags. Made of polystyrene (PS) (clear) or polypropylene (PP) (translucent)

reference	capacity	$\varnothing_{\text{outer}}$ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
Made of polystyrene (PS)						
TUPS-126-500	3 ml	12	60	500		
TUPS-127-500	5 ml	12	75	500		
TUPS-137-500	5 ml	13	75	500		
TUPS-130-500	8 ml	13	100	500		
TUPS-160-500	10 ml	16	100	500		
Made of polypropylene (PP)						
TUPP-126-500	3 ml	12	60	500		
TUPP-127-500	5 ml	12	75	500		
TUPP-137-500	5 ml	13	75	500		
TUPP-130-500	8 ml	13	100	500		
TUPP-160-500	10 ml	16	100	500		

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**Test tube stopper**

Made of polyethylene. Flange type. For our plastic test tubes references TUPP and TUPS

reference	type	pcs/pack	price/pack	average price/pc
TUST-N12-1K0	for $\varnothing$ 12 mm test tubes, neutral color	1000		
TUST-R12-1K0	for $\varnothing$ 12 mm test tubes, red color	1000		
TUST-B12-1K0	for $\varnothing$ 12 mm test tubes, blue color	1000		
TUST-N13-1K0	for $\varnothing$ 13 mm test tubes, neutral color	1000		
TUST-R13-1K0	for $\varnothing$ 13 mm test tubes, red color	1000		
TUST-B13-1K0	for $\varnothing$ 13 mm test tubes, blue color	1000		
TUST-N16-1K0	for $\varnothing$ 16 mm test tubes, neutral color	1000		
TUST-R16-1K0	for $\varnothing$ 16 mm test tubes, red color	1000		
TUST-B16-1K0	for $\varnothing$ 16 mm test tubes, blue color	1000		

bb

**Test tube dispenser**

Made of iron with transparent front panel in acrylic material. Can hold directly test tubes boxes references TU02, TU04, TU05 and STUN

reference	type	pcs/pack	price/pack
DISP-TU1-001	for 75 mm length tubes	1	
DISP-TU2-001	for 100 mm length tubes	1	



**Test tube, borosilicate glass**

Made of borosilicate glass LBG 3.3, without rim

reference	capacity	∅ <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs/pack	price/pack	average price/pc
TU02-127-250	5 ml	12	75	0,8	250		
TU02-120-250	7 ml	12	100	0,8	250		
TU02-130-250	8 ml	13	100	0,8 - 1,0	250		
TU02-160-250	13 ml	16	100	1,0	250		
TU02-165-250	19 ml	16	150	1,0	250		
<b>"Saving package"</b>							
TU02-127-2K0	5 ml	12	75	0,8	8 x 250		
TU02-120-2K0	7 ml	12	100	0,8	8 x 250		
TU02-130-2K0	8 ml	13	100	0,8 - 1,0	8 x 250		
TU02-160-1K0	13 ml	16	100	1,0	4 x 250		
TU02-165-1K0	19 ml	16	150	1,0	4 x 250		

**Test tube, neutral glass**

Made of neutral glass LBG N, without rim

reference	capacity	∅ <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs/pack	price/pack	average price/pc
TU04-105-250	2,5 ml	10	50	0,8 - 1,0	250		
TU04-107-250	3,5 ml	10	75	0,8 - 1,0	250		
TU04-127-250	5 ml	12	75	0,8 - 1,0	250		
TU04-120-250	7 ml	12	100	0,8 - 1,0	250		
TU04-130-250	8,5 ml	13	100	0,8 - 1,0	250		
TU04-160-100	13 ml	16	100	1,0 - 1,2	100		
TU04-165-100	19 ml	16	150	1,0 - 1,2	100		
TU04-200-100	43 ml	20	200	1,0 - 1,2	100		
TU04-225-100	72 ml	25	200	1,0 - 1,2	100		
TU04-250-100	90 ml	25	250	1,0 - 1,2	100		
<b>"Saving package"</b>							
TU04-105-2K0	2,5 ml	10	50	0,8 - 1,0	8 x 250		
TU04-107-2K0	3,5 ml	10	75	0,8 - 1,0	8 x 250		
TU04-127-2K0	5 ml	12	75	0,8 - 1,0	8 x 250		
TU04-120-2K0	7 ml	12	100	0,8 - 1,0	8 x 250		
TU04-130-2K0	8,5 ml	13	100	0,8 - 1,0	8 x 250		
TU04-160-1K0	13 ml	16	100	1,0 - 1,2	10 x 100		
TU04-165-1K0	19 ml	16	150	1,0 - 1,2	10 x 100		
TU04-200-400	43 ml	20	200	1,0 - 1,2	4 x 100		
TU04-225-400	72 ml	25	200	1,0 - 1,2	4 x 100		
TU04-250-400	90 ml	25	250	1,0 - 1,2	4 x 100		

**Disposable glass test tube**

Made of neutral glass LBG N without rim.

reference	capacity	∅ <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs/pack	price/pack	average price/pc
TU05-107-250	3 ml	10	75	0,6	250		
TU05-127-250	5 ml	12	75	0,6	250		
TU05-120-250	7 ml	12	100	0,6	250		
TU05-130-250	8 ml	13	100	0,6	250		
<b>"Saving package"</b>							
TU05-107-2K0	3 ml	10	75	0,6	8 x 250		
TU05-127-2K0	5 ml	12	75	0,6	8 x 250		
TU05-120-2K0	7 ml	12	100	0,6	8 x 250		
TU05-130-2K0	8 ml	13	100	0,6	8 x 250		

LBG



LBG



LBG



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**Test tube stopper**

Made of polypropylene autoclavable. For our glass test tubes references TU02, TU04 and TU05



reference	type	pcs/pack	price/pack	average price/pc
PUST-N13-500	for Ø13 mm test tubes, neutral color	500		
PUST-R13-500	for Ø13 mm test tubes, red color	500		
PUST-B13-500	for Ø13 mm test tubes, blue color	500		
PUST-N16-500	for Ø16 mm test tubes, neutral color	500		
PUST-R16-500	for Ø16 mm test tubes, red color	500		
PUST-B16-500	for Ø16 mm test tubes, blue color	500		
PUST-N20-250	for Ø20 mm test tubes, neutral color	250		
PUST-R20-250	for Ø20 mm test tubes, red color	250		
PUST-B20-250	for Ø20 mm test tubes, blue color	250		
PUST-N25-250	for Ø25 mm test tubes, neutral color	250		
PUST-R25-250	for Ø25 mm test tubes, red color	250		
PUST-B25-250	for Ø25 mm test tubes, blue color	250		

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**Rubber stopper, solid**

Made of natural rubber, red



reference	Ø <sub>top</sub> (mm)	Ø <sub>bottom</sub> (mm)	h (mm)	for glasses with inner-Ø	pcs/pack	price/pack	average price/pc
STOR-009-025	9	6	16	7,5 ± 0,5 mm	25		
STOR-013-025	13	9	15,5	11 ± 0,5 mm	25		
STOR-014-025	14	11	18,5	12,5 ± 0,5 mm	25		
STOR-016-025	16,5	13	20	15 ± 0,5 mm	25		
STOR-019-025	19	14	21	16,5 ± 0,5 mm	25		
STOR-021-020	21	15	22	18 ± 0,5 mm	20		
STOR-022-020	22,5	17,5	23	20 ± 0,5 mm	20		
STOR-026-010	26,5	21	27,5	24 ± 0,5 mm	10		
STOR-028-010	28	21,5	31	25 ± 0,5 mm	10		
STOR-030-010	30	26	33	28 ± 0,5 mm	10		
STOR-032-010	32,5	28,5	32,5	30,5 ± 0,5 mm	10		
STOR-037-010	37,5	28,5	44	33 ± 0,5 mm	10		
STOR-041-010	41,5	32	42,5	37 ± 0,5 mm	10		
STOR-049-010	49,5	40	40,5	45 ± 0,5 mm	10		

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**Silicone stopper, solid**

Made of amber silicone. Withstand temperatures from -70°C up to +200°C



reference	Ø <sub>top</sub> (mm)	Ø <sub>bottom</sub> (mm)	h (mm)	for glasses with inner-Ø	pcs/pack	price/pack	average price/pc
STOS-011-025	11,1	6,35	25,4	9 ± 0,5 mm	25		
STOS-013-025	12,7	7,9	25,4	10 ± 0,5 mm	25		
STOS-015-025	15,09	10,31	25,4	13 ± 0,5 mm	25		
STOS-017-025	17	13	25,4	15 ± 0,5 mm	25		
STOS-019-025	19	14,27	25,4	17 ± 0,5 mm	25		
STOS-020-025	20	15,88	25,4	18 ± 0,5 mm	25		
STOS-024-020	24	18	30	21 ± 0,5 mm	20		
STOS-026-010	26	20	25,4	23 ± 0,5 mm	10		
STOS-027-010	27	23	25,4	25 ± 0,5 mm	10		
STOS-032-010	31,75	26,19	25,4	29 ± 0,5 mm	10		
STOS-037-010	36,98	30,18	25,4	34 ± 0,5 mm	10		
STOS-041-010	41	33,02	25,4	37 ± 0,5 mm	10		
STOS-044-010	44,45	37,31	25,4	41 ± 0,5 mm	10		
STOS-046-010	46,05	38,1	25,4	42 ± 0,5 mm	10		
STOS-052-010	52,4	44,45	25,4	48 ± 0,5 mm	10		
STOS-060-010	59,99	50	45,01	55 ± 0,5 mm	10		

### Test tube with lined screw cap

Made of borosilicate glass. Autoclavable. Available with black phenolic cap with silicone rubber liner or with natural color PP cap with PTFE liner

reference	capacity	∅ <sub>outer</sub> (mm)	l (mm)	thickness (mm)	pcs/pack	price/pack	average price/pc
Round bottom, phenolic cap with silicone rubber liner							
STUN-001-250	5 ml	12	75	0,8 - 1,0	250		
STUN-002-250	7 ml	13	100	0,8 - 1,0	250		
STUN-003-250	10 ml	16	100	0,8 - 1,0	250		
STUN-004-100	15 ml	16	150	0,8 - 1,0	100		
STUN-005-100	25 ml	20	150	1,0 - 1,2	100		
Flat bottom, phenolic cap with silicone rubber liner							
STUN-F01-250	5 ml	12	75	0,8 - 1,0	250		
STUN-F02-250	7 ml	13	100	0,8 - 1,0	250		
STUN-F03-250	10 ml	16	100	0,8 - 1,0	250		
STUN-F04-100	15 ml	16	150	0,8 - 1,0	100		
STUN-F05-100	25 ml	20	150	1,0 - 1,2	100		
Round bottom, PP cap with PTFE liner							
STUN-T02-250	7 ml	13	100	0,8 - 1,0	250		
STUN-T03-250	10 ml	16	100	0,8 - 1,0	250		
STUN-T04-100	15 ml	16	150	0,8 - 1,0	100		
STUN-T05-100	25 ml	20	150	1,0 - 1,2	100		

### Tube for Kjeldahl digestion

Made of 3.3 borosilicate glass. Round bottom. With rim

reference	∅ <sub>mouth</sub> (mm)	∅ <sub>outer</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
DTU3-040-001	48	40	298	1		
"Saving package"						
DTU3-040-010	48	40	298	10		

### Nessler tube for colorimeter, Premium Line

Made of top quality 3.3 borosilicate glass. Class A

reference	capacity	accuracy (ml)	graduation	l (mm)	pcs/pack	price/pack	average price/pc
NTB3-P50-010	50 ml	± 0,4	25 / 50 ml	180	10		
NTB3-10P-010	100 ml	± 0,8	50 / 100 ml	183	10		

### Nessler tube rack

Made of polypropylene

reference	type	pcs/pack	price/pack
NTSP-050-001	for 50 ml Nessler tubes	1	
NTSP-100-001	for 100 ml Nessler tubes	1	

LBC



LBC



GLASSCO



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### Centrifuge tube, polypropylene, with graduation, 50 ml

Conical bottom without skirt. Autoclavable. Sterilized by ethylene oxide. Dimensions: tube Ø 29 mm, 115 mm high and cap Ø 33,5 mm. Withstands RCF of 10000xg. Successfully passed 95 kPa pressure test. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
CTGP-050-050	50 ml	non-sterile	50		
CTGP-E50-050	50 ml	sterile in single package	50		
"Saving package"					
CTGP-050-500	50 ml	non-sterile	10 x 50		
CTGP-E50-500	50 ml	sterile in single package	10 x 50		

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### Centrifuge tube, polypropylene, with graduation and skirt, 50 ml

Conical bottom with skirt. Autoclavable. Sterilized by ethylene oxide. Dimensions: tube Ø 29 mm, 115 mm high and cap Ø 33,5 mm. Withstands RCF of 10000xg. Successfully passed 95 kPa pressure test. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
CTSP-050-050	50 ml	non-sterile	50		
CTSP-E50-050	50 ml	sterile in single package	50		
"Saving package"					
CTSP-050-500	50 ml	non-sterile	10 x 50		
CTSP-E50-500	50 ml	sterile in single package	10 x 50		



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### Centrifuge tube, polypropylene, with graduation, 15 ml

Conical bottom without skirt. Autoclavable. Sterilized by ethylene oxide. Dimensions: tube Ø 16,5 mm, 120 mm high and cap Ø 22 mm. Withstands RCF of 10000 xg. Successfully passed 95 kPa pressure test. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
CTGP-015-100	15 ml	non-sterile	100		
CTGP-E15-050	15 ml	sterile in single package	50		
"Saving package"					
CTGP-015-1K0	15 ml	non-sterile	10 x 100		
CTGP-E15-500	15 ml	sterile in single package	10 x 50		



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### Centrifuge tube, polypropylene, with graduation, 50 ml, Premium Line

Conical bottom without skirt. Autoclavable. Suitable for cryogenic storage at -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 16000xg. Leak proof. Graduations labeling area: highly visible and solvent resistant. Sterilized by radiation. Resealable bag. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
PTGP-050-025	50 ml	non-sterile	25		
PTGP-05R-025	50 ml	non-sterile, racked	25		
PTGP-E50-025	50 ml	sterile	25		
"Saving package"					
PTGP-050-500	50 ml	non-sterile	20 x 25		
PTGP-05R-300	50 ml	non-sterile, racked	12 x 25		
PTGP-E50-500	50 ml	sterile	20 x 25		



### Centrifuge tube, polypropylene, with graduation and skirt, 50 ml, Premium Line

Conical bottom with skirt. Autoclavable. Suitable for cryogenic storage at -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 1 6000xg. Leak proof. Graduations labeling area: highly visible and solvent resistant. Sterilized by radiation. Resealable bag. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
PTSP-050-025	50 ml	non-sterile	25		
PTSP-E50-025	50 ml	sterile	25		
"Saving package"					
PTSP-050-500	50 ml	non-sterile	20 x 25		
PTSP-E50-500	50 ml	sterile	20 x 25		

### Centrifuge tube, polypropylene, with graduation, 15 ml, Premium Line

Conical bottom without skirt. Autoclavable. Suitable for cryogenic storage at -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 1 6000xg. Leak proof. Graduations labeling area: highly visible and solvent resistant. Sterilized by radiation. Resealable bag. Sterilization certificate included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
PTGP-015-025	15 ml	non-sterile	25		
PTGP-01R-050	15 ml	non-sterile in rack	50		
PTGP-E15-025	15 ml	sterile	25		
"Saving package"					
PTGP-015-500	15 ml	non-sterile	20 x 25		
PTGP-01R-500	15 ml	non-sterile in rack	10 x 50		
PTGP-E15-500	15 ml	sterile	20 x 25		

### Carton freezer box for centrifuge tubes

For 15 and 50 ml polypropylene graduated centrifuge tubes

reference	h (mm)	l (mm)	w (mm)	capacity	pcs/pack	price/pack
CBOX-049-001	116	134	134	up to 49 tubes (15 ml, Ømax. 17 mm)	1	
CBOX-016-001	125	143	143	up to 16 tubes (50 ml, Ømax. 35 mm)	1	

### Test tube Peg Rack

Made of polypropylene. Autoclavable. Blue colour. Stout and rigid. Chemically resistant. Ideal for bench work or tube storage. Design allows easy viewing of the tube contents. Can be used to dry inverted tubes. Suitable for drying glass plates used in electrophoresis and can also be used to hold and dry chromatography plates

reference	tube (mm)	matrix	h (mm)	l (mm)	w (mm)	pcs/pack	price/pack
PRSP-013-002	13	8 x 12	179	127	64	1	
PRSP-017-002	17	5 x 10	187	105	70	1	

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### Centrifuge tubes rack

Made of stainless steel. Double wire model allows to better hold the centrifuge tubes, giving extra space between them

reference	h (mm)	l (mm)	w (mm)	capacity	pcs/pack	price/pack
<b>With single wire</b>						
TTSS-E24-001	90	135	93	for 6 x 4 15 ml tubes	1	
TTSS-K24-001	90	209	143	for 6 x 4 50 ml tubes	1	
<b>With double wire</b>						
TTSS-Y24-001	80	170	115	for 6 x 4 15 ml tubes	1	
TTSS-Z24-001	80	220	150	for 6 x 4 50 ml tubes	1	

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### Universal test tube rack

Made of polypropylene. Autoclavable. In each side, different tube diameters can be held: 40 tubes Ø 12 mm, 20 tubes Ø 20 mm, 24 centrifuge tubes 15 ml or 8 centrifuge tubes 50 ml

reference	description	pcs/pack	price/pack
MTSP-001-001	universal rack, blue	1	

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### Test tubes rack

Made of polypropylene. Square holes. Does not float or turn over in a water bath. Can be dismantled

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTSP-021-001	65	250	105	up to 21 tubes (Ø 30 mm)	1	
TTSP-024-001	65	250	105	up to 24 tubes (Ø 25 mm)	1	
TTSP-040-001	65	250	105	up to 40 tubes (Ø 20 mm)	1	
TTSP-060-001	65	250	105	up to 60 tubes (Ø 16 mm)	1	
TTSP-090-001	65	250	105	up to 90 tubes (Ø 13 mm)	1	

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### Test tubes rack

Made of stainless steel

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTSS-W24-001	60	86	64	for 6 x 4 tubes (< Ø10 mm)	1	
TTSS-A24-001	90	86	64	for 6 x 4 tubes (< Ø10 mm)	1	
TTSS-X50-001	60	170	86	for 10 x 5 tubes (< Ø12 mm)	1	
TTSS-B50-001	90	170	86	for 10 x 5 tubes (< Ø12 mm)	1	
TTSS-C24-001	90	110	79	for 6 x 4 tubes (< Ø14 mm)	1	
TTSS-D24-001	90	125	90	for 6 x 4 tubes (< Ø16 mm)	1	
TTSS-D50-001	90	200	105	for 10 x 5 tubes (< Ø16 mm)	1	
TTSS-E24-001	90	135	93	for 6 x 4 tubes (< Ø18 mm)	1	
TTSS-E50-001	90	220	116	for 10 x 5 tubes (< Ø18 mm)	1	
TTSS-F24-001	90	145	105	for 6 x 4 tubes (< Ø20 mm)	1	
TTSS-F50-001	90	238	125	for 10 x 5 tubes (< Ø20 mm)	1	
TTSS-G24-001	90	161	113	for 6 x 4 tubes (< Ø22 mm)	1	
TTSS-K24-001	90	209	143	for 6 x 4 tubes (< Ø16 mm)	1	



### Test tubes rack, Z shape

Made of aluminium

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTZS-012-001	64	168	90	for 5 x 10 tubes up to Ø 12 mm	1	
TTZS-014-001	64	200	107	for 5 x 10 tubes up to Ø 14 mm	1	
TTZS-017-001	64	225	120	for 5 x 10 tubes up to Ø 16 mm	1	

### Test tube rack, Premium Line

Made of reinforced nylon. Autoclavable. Molded in a single piece for exceptional strength and durability. Stackable. With alphanumeric marking on the top. End plates accept large labels for easy identification of samples. Does not float or turn over in a water bath. Good chemical resistance. Available in various attractive colors to help keep samples organized. No assembly is required; rack is ready to use

reference	l (mm)	w (mm)	h (mm)	color	type	pcs/pack	price/pack
TTSN-W13-001	200	102	57	white	up to 6x12 tubes (Ø 13 mm)	1	
TTSN-W16-001	248	127	70	white	up to 6x12 tubes (Ø 16 mm)	1	
TTSN-W20-001	250	102	83	white	up to 4x10 tubes (Ø 20 mm)	1	
TTSN-W25-001	300	121	92	white	up to 4x10 tubes (Ø 25 mm)	1	
TTSN-W30-001	283	108	283	white	up to 3x8 tubes (Ø 30 mm)	1	
TTSN-N13-001	200	102	57	orange	up to 6x12 tubes (Ø 13 mm)	1	
TTSN-N16-001	248	127	70	orange	up to 6x12 tubes (Ø 16 mm)	1	
TTSN-N20-001	250	102	83	orange	up to 4x10 tubes (Ø 20 mm)	1	
TTSN-N25-001	300	121	92	orange	up to 4x10 tubes (Ø 25 mm)	1	
TTSN-N30-001	283	108	283	orange	up to 3x8 tubes (Ø 30 mm)	1	
TTSN-B13-001	200	102	57	blue	up to 6x12 tubes (Ø 13 mm)	1	
TTSN-B16-001	248	127	70	blue	up to 6x12 tubes (Ø 16 mm)	1	
TTSN-B20-001	250	102	83	blue	up to 4x10 tubes (Ø 20 mm)	1	
TTSN-B25-001	300	121	92	blue	up to 4x10 tubes (Ø 25 mm)	1	
TTSN-B30-001	283	108	283	blue	up to 3x8 tubes (Ø 30 mm)	1	
TTSN-Y13-001	200	102	57	yellow	up to 6x12 tubes (Ø 13 mm)	1	
TTSN-Y16-001	248	127	70	yellow	up to 6x12 tubes (Ø 16 mm)	1	
TTSN-Y20-001	250	102	83	yellow	up to 4x10 tubes (Ø 20 mm)	1	
TTSN-Y25-001	300	121	92	yellow	up to 4x10 tubes (Ø 25 mm)	1	
TTSN-Y30-001	283	108	283	yellow	up to 3x8 tubes (Ø 30 mm)	1	

### Microcentrifuge tube, graduated, DNase and RNase free, Premium Line

Made of polypropylene. Graduated. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Its shape and material quality allows an exceptionally high centrifugation resistance: 25000 g in fixed angle rotor centrifuges and 70000 g in oscillating rotor centrifuges. Autoclavable

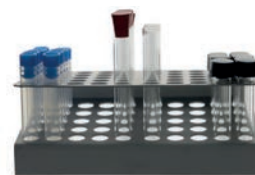
reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRD-015-1K0	1,5 ml	Eppendorf type, neutral color, flat lid	1000		
PCRD-020-1K0	2,0 ml	round bottom, neutral color, flat lid	1000		

### Microcentrifuge tube, graduated, with safe-lock

Made of polypropylene. Autoclavable

reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRP-015-500	1,5 ml	Eppendorf type, natural, flat lid	500		
PCRP-005-1K0	0,5 ml	Eppendorf type, natural, flat lid	1000		
"Saving package" PCRP-015-5K0	1,5 ml	Eppendorf type, natural, flat lid	10 x 500		
PCRP-005-10K	0,5 ml	Eppendorf type, natural, flat lid	10 x 1000		

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**Microcentrifuge tube, graduated, with safe-lock, colored**

Made of polypropylene. Autoclavable



reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRP-Y15-500	1,5 ml	Eppendorf type, yellow, flat lid	500		
PCRP-P15-500	1,5 ml	Eppendorf type, pink, flat lid	500		
PCRP-B15-500	1,5 ml	Eppendorf type, blue, flat lid	500		
PCRP-G15-500	1,5 ml	Eppendorf type, green, flat lid	500		

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**Microcentrifuge tube, graduated, round bottom**

Made of polypropylene. Autoclavable. Øext: 10 mm. With safe-lock. Withstands RCF of 10000xg



reference	capacity	type	pcs/pack	price/pack	average price/pc
PCRP-O20-500	2 ml	natural color, flat lid	500		
"Saving package"					
PCRP-O20-10K	2 ml	natural color, flat lid	20 x 500		

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**Micro pestle for microtubes**

Made of polypropylene. Autoclavable at 121 °C. One end is for breaking up solids in 1.5 ml microtubes, and the other end to be used in 0.5 ml microtubes



reference	l (mm)	type	pcs/pack	price/pack
MPSP-001-001	73	for 0.5 and 1.5 ml microtubes	1	

astik's

**Floating rack for microtubes**

Made of polypropylene. To heat or cool microtubes in a waterbath and avoid them to sink. Stackable and with an alphanumeric identification of each position. Autoclavable at 121 °C

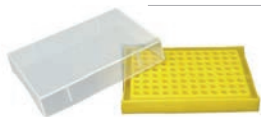


reference	type	pcs/pack	price/pack
FLRP-001-001	for 16 microtubes 1.5 ml	1	

astik's

**PCR 0,2 ml microtube storage box**

Made of polypropylene. Autoclavable. With transparent lid



reference	capacity	pcs/pack	price/pack
PBOX-Y96-001	up to 96 tubes (8x12) 0.2 ml. Yellow color	1	

astik's

**Rack for 1,5 ml microtubes**

Made of polypropylene. Stackable and with an alphanumeric identification of each position. Autoclavable at 121 °C

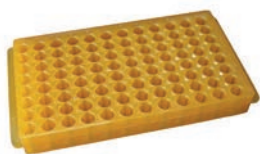


reference	type	pcs/pack	price/pack
MCRP-100-001	for 100 microtubes 1.5 ml	1	

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**Overturnable PCR 0.5 ml and 1.5 ml microtube rack**

Made of polypropylene. Autoclavable. One side fits 0.5 ml tubes and the other side fits 1.5 ml tubes



reference	capacity	pcs/pack	price/pack
PCPP-O96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Orange color	1	
PCPP-B96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Blue color	1	
PCPP-G96-001	up to 96 tubes (8x12) 0.5/1.5 ml. Green color	1	

### Microtube rack, stainless steel

For Eppendorf 1.5 ml microtubes

reference	type	pcs/pack	price/pack
TTSS-N25-001	for 5 x 5 microtubes (1.5 ml)	1	
TTSS-N50-001	for 10 x 5 microtubes (1.5 ml)	1	

### High speed Mini Centrifuge, LBX MC15K

High Speed Micro centrifuge is ideal for biochemical and chemical analysis of microsamples, sedimentation of biological components, etc. Powerful centrifugal force (R.C.F): 15100 xg (increment: 100 xg) and Max. speed (R.P.M): 15000 (increment: 100 rpm). Speed Accuracy:  $\pm 20$  rpm. The rotor included with the centrifuge (MCEN-A05-001) is designed for a capacity of 12 x 1.5/2.0 ml tubes or 12 x smaller 0.2 ml and 0.5 ml tubes through use of adapters (not included). High strength plastic rotor with CE mark. Low noise  $\leq 54$  dB. Delivers fast acceleration and deceleration (Acceleration: 11 seg / Breaking time: 9 seg). Brushless DC motor drive quickly and effortlessly accelerates the rotor to the set speed. Operation can be timed from 30 seconds to 99 minutes or continuous running ('HOLD' position). Sound-alert function. There is also door interlock, over speed detection, over-temperature detection and automatic internal diagnosis. External dimensions (mm): 140 x 255 x 245. 110-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
MCEN-15K-001	mini centrifuge LBX MC15K series	1	
Spare parts			
MCEN-A05-001	Plastic rotor kit with lid, fixing clips and O-ring, 15000 rpm, 12 x 1,5ml/2ml	1	
MCEN-A06-024	2ml to 0.2 ml rotor adapter	24	
MCEN-A07-024	2ml to 0.5 ml rotor adapter	24	

### Clinical centrifuge DLAB, DM0412 series

Clinical centrifuge support applications with small sample volumes in clinical, industrial and research laboratories. Easy to program and operate to achieve high accuracy with speed control. Rotor speed can be set and concisely displayed by RPM or G-force from 300 rpm to a max. of 4500 rpm/2490xg (increment: 100 rpm). Speed accuracy:  $\pm 20$  rpm. The rotor included with the centrifuge (CCEN-A01-001) is designed and suitable for use with tubes from 1,5 ml vacutainers to 15 ml conical tubes, using the included adapters and inserts.

The following configurations are possible:

- 8 x 15ml conical tubes ( $\varnothing 17 \times L120$ mm) - No adapters required
- 12 x 1,5-5ml vacutainers ( $\varnothing 13 \times L82$ mm) - 1 x CCEN-A02-012 and 1 x CCEN-A03-012 required per tube
- 12 x 4-7 ml vacutainers ( $\varnothing 13 \times L106$ mm) - 1 x CCEN-A02-012 required per tube
- 12 x 4-7 ml vacutainers ( $\varnothing 16 \times L75$ mm) - No adapters required
- 12 x 8,5-10 ml vacutainers ( $\varnothing 15 \times L107$ mm) - No adapters required
- 12 x 2,7-3 ml collection tubes ( $\varnothing 11 \times L66$ mm) - 1 x CCEN-A02-012 and 1 x CCEN-A03-012 required per tube
- 12 x 7,5-8,2 ml collection tubes ( $\varnothing 15 \times L92$ mm) - 1 x CCEN-A02-012 required per tube

Delivers fast acceleration and deceleration (Acceleration: 20 seg / Breaking time: 20 seg). Maintenance-free brushless motor. Pressing and holding PULSE key for quick spin function. Operation can be timed from 30 seconds to 99 minutes or continuous running ('HOLD' position). High strength plastic rotor with CE mark. Sound-alert function. Door interlock, over speed detector, automatic internal diagnosis. Dimensions: 245 x 255 x 140 mm. 100-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
CCEN-4K5-001	clinical centrifuge DLAB, DM0412 series	1	
Spare parts			
CCEN-A01-001	plastic rotor, 4500 rpm, tubes up to 8 x 15ml or 12 x 10ml	1	
CCEN-A02-012	rotor adapter used with CCEN-A01-001	12	
CCEN-A03-012	rotor adapter insert for the CCEN-A02-012	12	

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DLAB



DLAB



### High Speed Micro Centrifuge DLAB, D3024 series

High Speed Micro centrifuge is ideal for biochemical and chemical analysis of microsamples, sedimentation of biological components, etc. Special multi-flow air cooling design with patent ensures fast cooling of the rotor and low energy consumption. Speed can be set from 200 rpm to a max. of 15000 rpm/21380xg. Speed accuracy:  $\pm 10$  rpm. Unique temperature display appropriate for gentle handling of sensitive samples.

Bio-safe rotor/anti-sample overflow prevents accidental leakage in centrifugal process allowing risk-free microbial contamination. High strength aluminum allow rotor can be full autoclaved for unlimited service life. 5 rotors and adapters are optional and suitable for frequently used capacities: 24 tubes for 0,2 ml to 2,0 ml, and 18 tubes of 5,0 ml. The rotor included with the centrifuge (HSMC-A01-001) is designed for a capacity of 24 x 1.5/2.0 ml tubes. Quiet running, noise level  $\leq 54$  dB. Operation can be timed from 30 seconds to 99 minutes or continuous running.

Delivers fast acceleration and deceleration (Acceleration: 25 seg / Breaking time: 25 seg).

Maintenance-free brushless DC motor. Sound-alert function.

Door interlock, over speed detection and over-temperature detection.

Dimensions: 280 x 364 x 266 mm. 100-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
HSMC-15K-001	high speed micro centrifuge DLAB D3024 series	1	
Accessories and spare parts			
HSMC-A01-001	aluminum alloy rotor kit with lid, fixing clips and O-ring, 24 x 2ml/1,5ml	1	
HSMC-A02-001	aluminum alloy rotor kit with lid, fixing clips and O-ring, 18 x 5ml	1	
HSMC-A03-001	aluminum alloy rotor kit with lid, fixing clips and O-ring, 12 x 5ml eppendorf tube	1	
HSMC-A04-001	aluminum alloy rotor kit with lid, fixing clips and O-ring, 36 x 0,5ml	1	
HSMC-A05-001	aluminum alloy rotor kit with lid, fixing clips and O-ring, 4 x PCR8	1	
HSMC-A08-024	2ml to 0.2 ml rotor adapter	24	
HSMC-A07-024	2ml to 0.5 ml rotor adapter	24	
HSMC-A06-036	0,5 ml to 0,2 ml rotor adapter, used with HSMC-A04-001	36	

LBX

### Mini centrifuge, LBX MC7000

Ideal for quick spin downs and micro filtration. 4 lid colors including green, pink, yellow and blue. Fixed speed 7000 rpm. 2 rotors delivered with the stirrer: 8 x 2 ml/1.5 ml tube and 16 x 0.2 ml PCR tube. The centrifuge can be started and stopped by closing and opening lid. 100-240 V / 50-60 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
MCEN-00Y-001	mini centrifuge LBX MC7000 series, yellow lid	1	
MCEN-00P-001	mini centrifuge LBX MC7000 series, pink lid	1	
MCEN-00B-001	mini centrifuge LBX MC7000 series, blue lid	1	
MCEN-00G-001	mini centrifuge LBX MC7000 series, green lid	1	
Accessories and spare parts			
MCEN-A01-001	plastic rotor, 7000 rpm, 2 ml/1.5 ml x 8	1	
MCEN-A02-001	plastic rotor, 7000 rpm, PCR8 x 2	1	
MCEN-A03-008	2 ml to 0.2 ml rotor adapter, used with MCEN-A01-001	8	
MCEN-A04-008	2 ml to 0.5 ml rotor adapter, used with MCEN-A01-001	8	





**Multi-Purpose Clinical centrifuge DLAB, DM0636 series**

Multi-purpose clinical centrifuge ideal for the centrifugation of samples in clinical, chemistry, cytology, research and industrial laboratories. Speed can be set from 300 rpm to a max. of 6000 rpm/4300xg. Speed accuracy: ±20 rpm. Able to work with swing-out bucket and fixed angle rotors. Automatic rotor identification. Can work in continuous run or with a timer that can be set up to 99 min. Up to 9 procedures can be stored which makes the operation simplified. Delivers fast acceleration and deceleration (Acceleration: 9 seg / Breaking time: 10 seg) to ensure optimal separation. Maintenance-free brushless DC motor. Sound-alert function. Door interlock, over speed detector, automatic internal diagnosis. Dimensions: 445 x 579 x 269 mm. 100-240 V / 50-60 Hz.

**The instrument includes a stainless steel swing-out rotor, 4 positions (CCEN-A10-001) and supports and adapters for 100 ml, 85 ml, 50 ml, 15 ml and 3-7 ml tubes (CCEN-A11-004).** The included CCEN-A10-001 rotor can be combined with the A11, A12, A13 and A14 supports and adapters in the table below. Rotors A15-A21 do not require supports and adapters. Warranty 2 years



reference	description	pcs/pack	price/pack
CCEN-6K0-001	clinical centrifuge DLAB DM0636	1	
<b>Spare parts</b>			
CCEN-A10-001	stainless steel swing-out rotor, 4 positions (order supports/adaptors separately)	1	
CCEN-A11-004	100, 85, 50, 15 and 3-7 ml supports with adaptors	4	
CCEN-A12-004	supports with adaptors for 8 tubes of 50 ml	4	
CCEN-A13-004	supports with adaptors for 16 tubes of 10-15 ml	4	
CCEN-A14-004	supports with adaptors for 36 tubes of 10-7 ml	4	
CCEN-A15-001	fix angle aluminum rotor for 30 x 15ml tubes	1	
CCEN-A16-001	fix angle aluminum rotor for 6 x 50ml tubes	1	
CCEN-A17-001	fix angle aluminum rotor for 12 x PCR8 Trips	1	
CCEN-A18-001	fix angle aluminum rotor for 30 x 2ml tubes	1	
CCEN-A19-001	fix angle aluminum rotor for 60 x 2ml tubes	1	
CCEN-A20-001	fix angle aluminum rotor for 18 x 5ml tubes	1	
CCEN-A21-001	fix angle aluminum rotor for 8 x 50ml tubes or 16 x 15ml tubes	1	

	 CCEN-A14-004		 CCEN-A13-004			 CCEN-A12-004		 CCEN-A11-004			
bucket	x 4										
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 8	x 20
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL
φxL mm	13x75	13x100	15x100	17x105	17x120	29.5x100	38x108	38x104	29.5x100	17x120 13x100 13x75	13x100 13x75
tube											
adapter	with plug										
Package	36							4	4	8	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius(mm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630





### "Microbalance RADWAG series MYA



MYA serie of microbalances are designed to meet the highest requirements. Electronic module and a precise mechanical measuring system are enclosed separately. Such design eliminates the influence of heat, shocks and vibrations. Made of glass and steel eliminating the influence of electrostatics. Applications: weighing, %, weight accumulation, check weighing, statistics, air buoyancy correction, GLP procedures, FCR compliance, data bases, minimum weight, Pharma program, etc. 5,7" touch screen color display, electronic level indicator, infrared sensors, automatic opening. Interface: USB (2x), RS232 (2x), Ethernet, 2in/2out (digital). Special serie for filter weighing available. Balance dimensions (L x H x W): 370 x 160 x 173 mm (mechanical instrument) and 370 x 208 x 74 mm (electronic module). Warranty 3 years. Delivery time: 30 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BMYA-002-001	2 g	1 µg	Ø 16 mm	1	
BMYA-003-001	0,8/3 g	1/10 µg	Ø 16 + Ø 60 mm	1	
BMYA-005-001	5 g	1 µg	Ø 26 mm	1	
Special model for filter weighing					
BMYA-F05-001	5 g	1 µg	Ø 100 mm	1	
BMYA-F15-001	5 g	1 µg	Ø 160 mm	1	



### "Analytical and semimicro balance RADWAG series AS



Analytical balances series AS are in the standard-high segment. The best value for money and features available. Applications: parts counting, specific density, %, below balance weighing, check weighing, GLP procedures, data bases of: users, products, weighments, etc. ALIBI memory. Spacious weighing chamber with sliding top and side glass doors, level indicator. Backlit LCD display. Communication interface: RS 232, 2x USB and WI-FI optional. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 333 x 206 x 355 mm. Warranty 2 years. Delivery time: 10 - 20 days

reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BASC-22E-001	220 g	0,0001 g	Ø 100 mm	1	
With internal calibration					
BASC-221-001	60/220 g	0,01/0,1 mg	Ø 90 mm	1	
BASC-220-001	220 g	0,0001 g	Ø 100 mm	1	
BASC-310-001	310 g	0,0001 g	Ø 100 mm	1	



### "Moisture balance, ADAM, PMB series



Zero adjust facility to enable zero reading. Built-in memories for storing products and settings. 3 settings for heating sample fast ramp up, step and standard. Automatic test start setting for when the lid is closed. Quick and easy to configure through the keypad. Large backlit display with dual text prompts and capacity tracker. Large stainless steel pan with lifter to easily remove samples. Lock down mounting slot for Kensington™ type lock and cable. Overload protection. RS-232 and USB interface. GLP print outs. Calibration facilities for temperature and weight. External dimensions (mm) 250 x 360 x 185. Warranty 3 years. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BPMB-050-001	50 g	0,001 g / 0.01%	Ø 90 mm	1	
BPMB-160-001	160 g	0,001 g / 0.01%	Ø 90 mm	1	
BPMB-200-001	200 g	0,01 g / 0.05%	Ø 90 mm	1	
Accessories and spare parts					
WPAL-093-100		aluminium pans Ø 93 mm		100	

### "Analytical balance, ADAM, Nimbus series

Applications: weighing, percentage weighing, parts counting, animal/dynamic weighing, density determination. USB and RS-232 interfaces. Backlit LCD display. GLP print outs (when using the optional printer). Weighing units: g, mg, ct, GN, oz, ozt, dwt and one custom unit. Robust metal housing and stainless steel pan. 2 versions available: internal calibration and external calibration. Glass draught shield (dimensions 165 x 145 x 240 mm). External dimensions (mm) 220 x 340 x 344. Warranty 3 years. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BNIA-08E-001	80 g	0,0001 g	Ø 90 mm	1	
BNIA-12E-001	120 g	0,0001 g	Ø 90 mm	1	
BNIA-16E-001	160 g	0,0001 g	Ø 90 mm	1	
BNIA-21E-001	210 g	0,0001 g	Ø 90 mm	1	
BNIA-25E-001	250 g	0,0001 g	Ø 90 mm	1	
With internal calibration					
BNIA-080-001	80 g	0,0001 g	Ø 90 mm	1	
BNIA-120-001	120 g	0,0001 g	Ø 90 mm	1	
BNIA-160-001	160 g	0,0001 g	Ø 90 mm	1	
BNIA-210-001	210 g	0,0001 g	Ø 90 mm	1	
BNIA-250-001	250 g	0,0001 g	Ø 90 mm	1	




### Precision balance, RADWAG, PS series

Applications: parts counting, specific density, %, below balance weighing, check weighing, GLP procedures, data bases of: users, products, weighments, etc. ALIBI memory. Backlit LCD display. The housing is made of plastic, and the pan is made of stainless steel. Includes: removable draft shield (on models with 128 x 128 mm pan only). Communication interface: RS 232, 2x USB and WI-FI optional. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 333 x 206 x 100 mm. Warranty 2 years. Delivery time: 10 - 20 days

reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BPSC-51E-001	510 g	0,001 g	128 x 128 mm	1	
BPSC-75E-001	750 g	0,001 g	128 x 128 mm	1	
BPSC-1E0-001	1000 g	0,001 g	128 x 128 mm	1	
BPSC-2E0-001	200 / 2000 g	0,001 / 0,01 g	128 x 128 mm	1	
BPSC-3E5-001	3500 g	0,01 g	195 x 195 mm	1	
BPSC-4E5-001	4500 g	0,01 g	195 x 195 mm	1	
BPSC-6E0-001	6000 g	0,01 g	195 x 195 mm	1	
With internal calibration					
BPSC-210-001	210 g	0,001 g	128 x 128 mm	1	
BPSC-360-001	360 g	0,001 g	128 x 128 mm	1	
BPSC-600-001	600 g	0,001 g	128 x 128 mm	1	
BPSC-750-001	750 g	0,001 g	128 x 128 mm	1	
BPSC-1K0-001	1000 g	0,001 g	128 x 128 mm	1	
BPSC-2K0-001	200 / 2000g	0,001 / 0,01 g	128 x 128 mm	1	
BPSC-1K2-001	1200 g	0,01 g	195 x 195 mm	1	
BPSC-2K1-001	2100 g	0,01 g	195 x 195 mm	1	
BPSC-3K5-001	3500 g	0,01 g	195 x 195 mm	1	
BPSC-4K5-001	4500 g	0,01 g	195 x 195 mm	1	
BPSC-6K0-001	6000 g	0,01 g	195 x 195 mm	1	




BEADAM

**Precision balance, ADAM, Nimbus series**

Applications: weighing, percentage weighing, parts counting, animal/dynamic weighing, density determination. USB and RS-232 interfaces. Backlit LCD display. GLP print outs (when using the optional printer). Weighing units: g, mg, ct, GN, oz, ozt, dwt and one custom unit. Robust metal housing and stainless steel pan. 3 versions available: internal calibration, external calibration and external calibration with pillar. Plastic draught shield (on models with 120 mm pan only). External dimensions (mm) 220 x 310 x 270 (models with pan size 120 mm); 220 x 310 x 89 (models with pan size 160 mm); 401 x 460 x 102mm (models with pan size 400 x 300 mm). Warranty 3 years. Delivery time 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BNIP-22E-001	220 g	0,001 g	Ø 120 mm	1	
BNIP-42E-001	420 g	0,001 g	Ø 120 mm	1	
BNIP-62E-001	620 g	0,001 g	Ø 160 mm	1	
BNIP-82E-001	820 g	0,001 g	Ø 160 mm	1	
BNIP-1E6-001	1600 g	0,01 g	Ø 160 mm	1	
BNIP-2E6-001	2600 g	0,01 g	Ø 160 mm	1	
BNIP-3E6-001	3600 g	0,01 g	Ø 160 mm	1	
BNIP-4E6-001	4600 g	0,01 g	Ø 160 mm	1	
BNIP-4E2-001	4200 g	0,1 g	Ø 160 mm	1	
BNIP-6E2-001	6200 g	0,1 g	Ø 160 mm	1	
BNIP-8E2-001	8200 g	0,1 g	Ø 160 mm	1	
BNIP-12E-001	12000 g	0,1 g	400 x 300 mm	1	
BNIP-16E-001	16000 g	0,1 g	400 x 300 mm	1	
BNIP-2QE-001	22000 g	0,1 g	400 x 300 mm	1	
With external calibration and pillar					
BNIP-12P-001	12000 g	0,1 g	400 x 300 mm	1	
BNIP-16P-001	16000 g	0,1 g	400 x 300 mm	1	
BNIP-2QP-001	22000 g	0,1 g	400 x 300 mm	1	
With internal calibration					
BNIP-220-001	220 g	0,001 g	Ø 120 mm	1	
BNIP-420-001	420 g	0,001 g	Ø 120 mm	1	
BNIP-620-001	620 g	0,001 g	Ø 160 mm	1	
BNIP-820-001	820 g	0,001 g	Ø 160 mm	1	
BNIP-1K6-001	1600 g	0,01 g	Ø 160 mm	1	
BNIP-2K6-001	2600 g	0,01 g	Ø 160 mm	1	
BNIP-3K6-001	3600 g	0,01 g	Ø 160 mm	1	
BNIP-4K6-001	4600 g	0,01 g	Ø 160 mm	1	

**EC TYPE APPROVAL SCALES AND THE CE M19 STICKER**

According to the EU directives 2014/31/UE and 2009/23/CE balances and scales used in the areas of commerce, health and public administration must be verified. The applications requiring the mandatory use of EC type approval instruments are specified in article 1.2(a) of the Directive and are:

- Determination of mass for commercial transactions
- Determination of mass for the calculation of a toll, tariff, tax, bonus, penalty or similar type of payment
- Determination of mass for the application of laws or regulations and expert opinion given in court proceedings
- Determination of mass in the practice of medicine for the weighing of patients for the purpose of monitoring, diagnosis and medical treatment
- Determination of mass for making up medicines on prescription in a pharmacy and determination of mass in analyses carried out in medical and pharmaceutical laboratories
- Determination of price on the basis of the mass for the purpose of direct sales to the public and the making-up of pre-packages

Balances and scales for which CE conformity has been established according to the above mentioned Directives are identified by a sticker bearing a capital letter 'M' printed in black and the last two digits of the year of the marking placement

**"Precision balance, ADAM, SOLIS series**

Applications: check weighing, parts counting, dynamic weighing, percentage weighing, density, formulation/recipe. High resolution graphic display, simple-use keypad and intuitive features. RS-232 interface. Warranty 2 years. Delivery time 10 days. More models available at [www.labbox.com](http://www.labbox.com)

reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BSAB-31E-001	310 g	0,0001 g	Ø 80 mm	1	
BSPB-72E-001	720 g	0,001 g	Ø 110 mm	1	
BSTB-6E2-001	6200 g	0,01 g	185 x 185 mm	1	
BSTB-8E2-001	8200 g	0,01 g	185 x 185 mm	1	
With internal calibration					
BSAB-121-001	62/120 g	0,01/0,1 mg	Ø 80 mm	1	
BSAB-221-001	82/220 g	0,01/0,1 mg	Ø 80 mm	1	
BSAB-310-001	310 g	0,0001 g	Ø 80 mm	1	
BSAB-410-001	410 g	0,0001 g	Ø 80 mm	1	
BSAB-510-001	510 g	0,0001 g	Ø 80 mm	1	
BSPB-720-001	720 g	0,001 g	Ø 110 mm	1	
BSPB-1K2-001	1200 g	0,001 g	Ø 110 mm	1	
BSPB-2K1-001	2100 g	0,001 g	Ø 110 mm	1	
BSTB-6K2-001	6200 g	0,01 g	185 x 185 mm	1	

**Precision balance RADWAG series WLC**

Balances series WLC are designed for fast and precise mass determination in laboratory and industrial conditions. AC power or rechargeable battery operation. RS-232 interface. Stainless steel weighing platform and backlit LCD display. Applications: parts counting, animal/dynamic weighing, check weighing, %, below balance weighing, impact test. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 244 x 174 x 88 mm (models with pan size 128 x 128 and 195 x 195), 351 x 375 x 87 (models with pan size 290 x 360) and 502 x 480 x 103 mm (models with pan size 400 x 500). Warranty 2 years. Delivery time: 10 - 20 days

reference	capacity	readability	pan size	pcs/pack	price/pack
With external calibration					
BWLC-2E0-001	2 kg	0,01 g	195 x 195 mm	1	
BWLC-6E0-001	6 kg	0,1 g	195 x 195 mm	1	
BWLC-10E-001	10 kg	0,1 g	195 x 195 mm	1	
BWLC-20E-001	20 kg	0,1 g	195 x 195 mm	1	
BWLC-1QE-001	120 kg	2 g	400 x 500 mm	1	
With internal calibration					
BWLC-600-001	600 g	0,01 g	128 x 128 mm	1	
BWLC-1K0-001	1 kg	0,01 g	195 x 195 mm	1	
BWLC-6K0-001	6 kg	0,1 g	195 x 195 mm	1	

**Compact balance, ADAM, ASTRO series**

Rugged stainless steel construction, ideal for food processing industry and education sector. 304 Stainless steel pan, easy to clean. Overload protection which allows preventing damage to the weighing mechanism. Three weighing units: gram, ounces and pounds. External calibration. Large LCD backlit display is clear and quick to read. Battery powered with 2 x AA batteries (not included) or AC adapter (included). Auto power off to save battery life. External dimensions (mm) 212 x 167 x 66. Warranty 2 years

reference	capacity	readability	pan size	pcs/pack	price/pack
BAST-2K0-001	2000 g	0,1 g	160 x 180 mm	1	
BAST-4K0-001	4000 g	0,5 g	160 x 180 mm	1	
BAST-8K0-001	8000 g	1 g	160 x 180 mm	1	

ADAM



RADWAG



ADAM



ADAM

**Portable precision balance, ADAM, HCB series**

Applications: weighing, %, parts counting, below balance weighing, weight accumulation. RS-232 and USB interfaces. Smart housing design lets you safely stack balances on top of each other for convenient storage. Three-point ShockProtect™ overload protection (it allows the balance withstand up to 200 kg of weight without damaging the weighing mechanism). Internal calibration with built in mass. Lock down mounting slot for Kensington™ type lock and cable. Internal rechargeable battery with auto power off and low-battery indicator. Removable draft shield. External dimensions (mm) 170 x 245 x 80. Warranty 2 years. Delivery time 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
BHCB-120-001	120 g	0,001 g	Ø 120 mm	1	
BHCB-150-001	150 g	0,005 g	Ø 120 mm	1	
BHCB-300-001	300 g	0,01 g	Ø 120 mm	1	
BHCB-600-001	600 g	0,01 g	Ø 120 mm	1	
BHCB-601-001	600 g	0,02 g	Ø 120 mm	1	
BHCB-1K0-001	1000 g	0,01 g	Ø 120 mm	1	
BHCB-1K5-001	1500 g	0,05 g	Ø 120 mm	1	
BHCB-2K2-001	2200 g	0,01 g	Ø 120 mm	1	
BHCB-3K0-001	3000 g	0,1 g	Ø 120 mm	1	
BHCB-6K0-001	6000 g	0,1 g	Ø 145 mm	1	
With EC type approval, <b>CE M19</b>					
BHCB-M06-001	600 g	0,01 g	Ø 120 mm	1	
BHCB-1M0-001	1000 g	0,01 g	Ø 120 mm	1	
BHCB-5M0-001	5000 g	0,1 g	Ø 120 mm	1	

ADAM

**Compact portable balance, ADAM, CQT series**

Stainless steel pan. Three-point ShockProtect™ overload protection (it allows the balance withstand up to 200 kg of weight without damaging the weighing mechanism). Built in security slot for Kensington™ type lock. Battery powered with 6 x AA batteries or AC adapter. Auto power off to save battery life. Large backlit display is clear and quick to read. Removable draft shield (on models with 120 mm pan only). Smart housing design lets you safely stack balances on top of each other for convenient storage (on models with 120 mm pan only). External dimensions (mm) 170 x 245 x 80. Warranty 2 years. Delivery time: 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
BCQT-200-001	200 g	0,01 g	Ø 120 mm	1	
BCQT-250-001	250 g	0,1 g	Ø 120 mm	1	
BCQT-600-001	600 g	0,1 g	Ø 120 mm	1	
BCQT-1K5-001	1500 g	0,1 g	Ø 120 mm	1	
BCQT-2K6-001	2600 g	0,1 g	Ø 145 mm	1	
BCQT-2K0-001	2000 g	1 g	Ø 145 mm	1	
BCQT-5K0-001	5000 g	1 g	Ø 145 mm	1	

ADAM

**Portable balance, ADAM, CB series**

Robust ABS housing with overload protection. Stainless steel pan. Level indicator and adjusting feet. Three weighing units: gram, ounces and pounds. External calibration. Auto power off. Fed with 2 AA batteries or optional 220 V adapter (not included). Dimensions (mm) 160 x 205 x 45. Warranty 1 year



reference	capacity	readability	pan size	pcs/pack	price/pack
BCBC-500-001	500 g	0,1 g	Ø 130 mm	1	
BCBC-1K0-001	1000 g	0,1 g	Ø 130 mm	1	
BCBC-3K0-001	3000 g	1 g	Ø 130 mm	1	
Accessories for CB series					
BCBC-POW-001		power adaptor 220V		1	

### Pocket balance, P series

Overload and shock protection cover. Tare function. Electronic calibration. Retro illuminated display. Auto power off. It works with 2 x AAA batteries. Dimensions (mm) 127 x 79 x 18. Warranty 1 year

reference	capacity	readability	pan size	pcs/pack	price/pack
BPOC-200-001	200 g	0,01 g	77 x 66 mm	1	
BPOC-500-001	500 g	0,1 g	77 x 66 mm	1	

### Portable balance, E series

**NEW** Tare function. LCD screen. Battery: 2 x AAA. Auto turn off: 60 s. Units: g, kg, oz, ct, lb, tl. Plate dimensions: 100 x 100 mm. Includes a transparent plate to weight liquids and higher dimension objects. Warranty 1 year

reference	capacity	readability	pcs/pack	price/pack
POSC-600-001	600 g	0,01 g	1	
POSC-2K0-001	2000 g	0,1 g	1	
POSC-3K0-001	3000 g	0,1 g	1	

### Spoon balance, P series

**NEW** Tare function. LCD screen. Battery: 2 x AAA. Auto turn off: 60 s. Units: g, kg, oz, ct, lb, tl. Body dimensions: 230 x 50 x 25 mm. Spoon dimensions: 60 x 50 x 25 mm

reference	capacity	readability	pcs/pack	price/pack
SPSC-500-001	500 g	0,1 g	1	

### Top loading scale, CM series

High weight resolution. Parts counting function. Add weight value manually or automatically. Weight in grams or lb. Output data RS-232C. Big display with backlight. AC adaptor and Internal rechargeable battery. External dimensions (mm): 325 x 330 x 110. 1-year warranty. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BCMS-3K0-001	3000 g	0,1 g	310 x 220 mm	1	
BCMS-6K0-001	6000 g	0,2 g	310 x 220 mm	1	
BCMS-15K-001	15000 g	0,5 g	310 x 220 mm	1	
BCMS-30K-001	30000 g	1 g	310 x 220 mm	1	

### Industrial wash down scales, ADAM, WBW series

Wash down scale (IP66 rated) ideal for food preparation, food processing plants, agricultural facilities and wet environments. Applications: weighing, check weighing. Large backlit LCD with capacity tracker and coloured LED check limit indicators. AC adaptor and Internal rechargeable battery. Large stainless steel pan. 5 weighing units (g, kg, lb, oz, lb-oz). External calibration. External dimensions (mm) 231 x 265 x 153. Warranty 2 years. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BWBW-2K0-001	2 kg	0,2 g	210 x 173 mm	1	
BWBW-4K0-001	4 kg	0,5 g	210 x 173 mm	1	
BWBW-8K0-001	8 kg	1 g	210 x 173 mm	1	
BWBW-16K-001	16 kg	2 g	210 x 173 mm	1	

METRIA



METRIA



METRIA



GRAM



EBADAM







### Industrial scales, ADAM, CKT series



Applications: weighing, parts counting, check weighing, check counting, accumulation of weight, percentage weighing, net total weighing. Ideal for stock control tasks and general weighing. The backlit LCD display changes color to show if a sample is under, over or within the set limits. Store and recall up to 100 products. RS-232 interface with multi-language, date and time output. ABS housing, stainless steel platform and non-slip feet. Powered by the included AC adapter or internal rechargeable battery. External calibration (except EC type approval models). External dimensions (mm) 326 x 355 x 115. Warranty 2 years. Delivery time 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
BCKT-4K0-001	4 kg	0,1 g	210 x 300 mm	1	
BCKT-8K0-001	8 kg	0,2 g	210 x 300 mm	1	
BCKT-8H0-001	8 kg	0,1 g	210 x 300 mm	1	
BCKT-16K-001	16 kg	0,5 g	210 x 300 mm	1	
BCKT-16H-001	16 kg	0,1 g	210 x 300 mm	1	
BCKT-32K-001	32 kg	1 g	210 x 300 mm	1	
BCKT-32H-001	32 kg	0,2 g	210 x 300 mm	1	
BCKT-48K-001	48 kg	2 g	210 x 300 mm	1	
BCKT-48H-001	48 kg	0,5 g	210 x 300 mm	1	
With EC type approval, <b>EC M19</b>					
BCKT-4M0-001	4 kg	1 g	210 x 300 mm	1	
BCKT-8M0-001	8 kg	2 g	210 x 300 mm	1	
BCKT-20M-001	20 kg	5 g	210 x 300 mm	1	
BCKT-40M-001	40 kg	0,01 kg	210 x 300 mm	1	



### Industrial scales, ADAM, GBK series

Applications: weighing, check weighing, parts counting, check counting, percent weighing, dynamic/animal weighing. Backlit green display with 20 mm digits and capacity tracker. Full numeric keypad and colour coded keys. AC adaptor and Internal rechargeable battery. RS232 interface with multi-language, date and time output. ABS plastic indicator, stainless steel pan and die-cast aluminium base. Weighing units: g, kg (standard models); kg (EC type approval models). External calibration. External dimensions (mm) 300 x 520 x 680. Warranty 2 years. Delivery time 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
BGBK-8K0-001	8 kg	0,1 g	300 x 400 mm	1	
BGBK-16K-001	16 kg	0,5 g	300 x 400 mm	1	
BGBK-32K-001	32 kg	1 g	300 x 400 mm	1	
BGBK-60K-001	60 kg	2 g	300 x 400 mm	1	
BGBK-12Q-001	120 kg	5 g	300 x 400 mm	1	
With EC type approval, <b>CE M19</b>					
BGBK-6M0-001	6 kg	2 g	300 x 400 mm	1	
BGBK-15M-001	15 kg	5 g	300 x 400 mm	1	
BGBK-30M-001	30 kg	10 g	300 x 400 mm	1	
BGBK-60M-001	60 kg	20 g	300 x 400 mm	1	
BGBK-1M5-001	150 kg	50 g	300 x 400 mm	1	



### Industrial scales, ADAM, LBX series



Applications: weighing, parts counting, percentage weighing, check weighing. Backlit LCD display. Amber, green and red LEDs to indicate if a sample is under, within or over the present limits. Fast and stable in 1 second. Powered by the included AC adapter or internal rechargeable battery (up to 240 hours, rechargeable with a USB cable and Euro plug). ABS housing, stainless steel platform and non-slip feet. External calibration. External dimensions (mm) 255 x 290 x 105. Warranty 2 years. Delivery time 10 days



reference	capacity	readability	pan size	pcs/pack	price/pack
BLBX-3K0-001	3 kg	0,5 g	245 x 180 mm	1	
BLBX-6K0-001	6 kg	1 g	245 x 180 mm	1	
BLBX-12K-001	12 kg	2 g	245 x 180 mm	1	
BLBX-30K-001	30 kg	5 g	245 x 180 mm	1	

### Industrial scales, ADAM, GFK series

Applications: weighing, parts counting, %, dynamic/animal weighing, check weighing, check counting. Easily accessible internal rechargeable battery with auto-off to save battery life. Large backlit LCD display with capacity tracker and check weighing LED lights to show acceptable limits. Parts counting with freely selectable sample sizes. Automatic accumulation. Bi-directional RS-232 output for connection to computers and printers with multi-language print-outs. ABS plastic indicator and stainless steel pan. External dimensions (mm) 600 x 950 x 860 (BGFK-6Q0-001), 400 x 620 x 860 (all other models). Warranty 2 years. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BGFK-75K-001	75 kg	5 g	400 x 500 mm	1	
BGFK-75H-001	75 kg	1 g	400 x 500 mm	1	
BGFK-1Q5-001	150 kg	10 g	400 x 500 mm	1	
BGFK-1H5-001	150 kg	2 g	400 x 500 mm	1	
BGFK-3Q0-001	300 kg	20 g	400 x 500 mm	1	
BGFK-6Q0-001	600 kg	50 g	600 x 800 mm	1	
With EC type approval, <b>CE M19</b>					
BGFK-6M0-001	60 kg	20 g	400 x 500 mm	1	
BGFK-1M5-001	150 kg	50 g	400 x 500 mm	1	
BGFK-3M0-001	300 kg	100 g	400 x 500 mm	1	

### Industrial washdown scales, ADAM, Warrior series

Wash down scale (IP66 rated) ideal for food preparation, food processing plants, agricultural facilities and wet environments. Applications: weighing, parts counting, percentage weighing, dynamic/animal weighing, check weighing. Internal rechargeable battery with auto-off to save battery life. Large backlit LCD display with capacity tracker and check weighing LED lights to show acceptable limits. Bi-directional RS-232 output for connection to computers and printers. Rugged stainless steel construction. External dimensions (mm) 250 x 345 x 532 (models with pan size 250 x 250), 300 x 500 x 587 (models with pan size 300 x 400), 400 x 590 x 972 (models with pan size 400 x 500), 450 x 700 x 972 (models with pan size 450 x 600). Warranty 2 years. Delivery time 10 days

reference	capacity	readability	pan size	pcs/pack	price/pack
BWSK-8K0-001	8 kg	0.5 g	250 x 250 mm	1	
BWSK-16K-001	16 kg	1 g	250 x 250 mm	1	
BWSK-32K-001	32 kg	2 g	250 x 250 mm	1	
BWSK-32H-001	32 kg	1 g	300 x 400 mm	1	
BWSK-32L-001	32 kg	2 g	300 x 400 mm	1	
BWSK-75K-001	75 kg	5 g	300 x 400 mm	1	
BWSK-75H-001	75 kg	1 g	400 x 500 mm	1	
BWSK-75L-001	75 kg	5 g	400 x 500 mm	1	
BWSK-1Q5-001	150 kg	10 g	400 x 500 mm	1	
BWSK-1H5-001	150 kg	10 g	450 x 600 mm	1	

### Density determination kit

The density determination kit consists of apparatus which allows the user to weigh a sample in air and then weigh the same in water or other liquid with a known density. The software in the balance takes the operator through the process and finally displays the resultant density on the LCD in g/cm<sup>3</sup>, compensating for temperature and for the use of alternative fluids when calculating the density of solids. Delivery time 10 - 20 days

reference	description	pcs/pack	price/pack
BAAC-A26-001	density determination kit for series AS	1	
BAAC-A27-001	density determination kit for series PS (models with readability 1 mg only)	1	
BAAC-A28-001	density determination kit for series PS (models with readability 0,01 g only)	1	










ADAM



### Thermal printer for balances

A general purpose thermal tally roll printer specifically designed to work with the Adam series of balances. The printer comes preset to work with the default RS-232 interface found on the Adam balances. The printer is easy to use with only an On/Off switch and a paper feed button. Paper width: 57.5 mm. Delivery time 10 days

reference	description	pcs/pack	price/pack
BAAC-A22-001	thermal printer for series Nimbus, PMB, HCB, CBK, GBK, GFK and Warrior	1	
BAAC-A23-001	thermal paper roll for printer BAAC-A22-001	1	
BAAC-A08-001	RS-232 cable for series PW, PMB, PGW, PGL, HCB, CBK, GBK and GFK	1	

RADWAG



### "Anti-vibration table

Designed for use in the laboratory or metrology room to provide suitable working conditions for devices that are sensitive to vibrations and shocks. Table dimensions: 770 x 650 x 715 mm. Easy to set up light weight mild steel. Adjustable levelling feet to take care of un-even floor. Scratch-proof top slab to avoid surface damage and marble finish (dimensions: 410 x 270 x 115 mm). Delivery time 20 days

reference	description	pcs/pack	price/pack
BAAC-A24-001	anti-vibration table RADWAG	1	

INBAUTEK



### "Anti-vibration table

The table is composed of two independent structures, one assembled inside another. The interior structure is made of cold rolled steel tube and finished in epoxy-polyester paint. This structure integrates the silentbock system on which four marble stones are placed to ensure the absence of vibrations. The surface is topped in compact phenolic Trespa Toplab, which will form the anti-vibration zone. The outer structure is also composed of cold-rolled steel and epoxy-polyester paint, on which falls the work surface of compact phenolic Trespa Toplab. As this structure is completely independent, the vibrations are not transmitted to the interior structure.

Dimensions of the table: 900 x 750 x 900 mm. The table includes a leveling system to save soil irregularities. Delivery time: 2 weeks

reference	description	pcs/pack	price/pack
AVTW-001-001	anti-vibration table, INBAUTEK	1	

METRIA



### Precision weights full set weight < 1 g, class F1

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

reference	type	pcs/pack	price/pack
WF1J-001-001	1, 2 (x2), 5, 10, 20 (x2), 50, 100, 200 (x2) and 500 mg	1	

METRIA



### Precision weights full set weight < 1 g, class M1

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

reference	type	pcs/pack	price/pack
WM1J-001-001	1, 2 (x2), 5, 10, 20 (x2), 50, 100, 200 (x2) and 500 mg	1	

### Precision weight, stainless steel, class F1

Individual case included. According to OIML R-111 recommendations. Certificate not included

reference	type	pcs/pack	price/pack
WF1S-001-001	1 g ± 0,10 mg	1	
WF1S-002-001	2 g ± 0,12 mg	1	
WF1S-005-001	5 g ± 0,15 mg	1	
WF1S-010-001	10 g ± 0,20 mg	1	
WF1S-020-001	20 g ± 0,25 mg	1	
WF1S-050-001	50 g ± 0,30 mg	1	
WF1S-100-001	100 g ± 0,50 mg	1	
WF1S-200-001	200 g ± 1,0 mg	1	
WF1S-500-001	500 g ± 2,5 mg	1	
WF1S-1K0-001	1000 g ± 5 mg	1	
WF1S-2K0-001	2000 g ± 10 mg	1	
WF1S-5K0-001	5000 g ± 25 mg	1	

### Precision weight, stainless steel, class M1

Individual case included. According to OIML R-111 recommendations. Certificate not included

reference	type	pcs/pack	price/pack
WM1B-001-001	1 g ± 1,0 mg	1	
WM1B-002-001	2 g ± 1,2 mg	1	
WM1B-005-001	5 g ± 1,5 mg	1	
WM1B-010-001	10 g ± 2,0 mg	1	
WM1B-020-001	20 g ± 2,5 mg	1	
WM1B-050-001	50 g ± 3,0 mg	1	
WM1B-100-001	100 g ± 5,0 mg	1	
WM1B-200-001	200 g ± 10 mg	1	
WM1B-500-001	500 g ± 25 mg	1	
WM1B-1K0-001	1000 g ± 50 mg	1	
WM1B-2K0-001	2000 g ± 100 mg	1	

### Precision weights, made of black cast iron, class M1

According to OIML R-111. Individual case and certificate not included. Delivery time 1 week

reference	type	pcs/pack	price/pack
WM1M-5K0-001	5000 g ± 250 mg	1	
WM1M-10K-001	10000 g ± 500 mg	1	
WM1M-20K-001	20000 g ± 500 mg	1	

METRIA



METRIA



METRIA



ASSI

**“ENAC calibration certificate for weights**

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK).

The laboratory issues calibration certificates for the weights in digital format.

Note: to certify a weight it is important to indicate in each order the name to be issued the certificate.

Delivery time 10 days



reference	description	pcs/pack	price/pack
Calibration of new weights			
CERW-E01-001	ENAC certificate M1 weights (1mg up to 20 Kg)	1	
CERW-E03-001	ENAC certificate F1 weights (1mg up to 10 Kg)	1	
CERW-E05-001	ENAC calibration certificate, complete set of 12 weight fractions of gram class F1 or M1	1	

bb

**Weighing pan, aluminium**

Also used in moisturing process



reference	∅ <sub>top</sub> (mm)	∅ <sub>int</sub> (mm)	h (mm)	pcs/pack	price/pack	average price/pc
WPAL-056-050	59	56	7	50		
WPAL-072-100	74	72	7	100		
WPAL-093-100	98	93	7	100		

astik's

**Weighing pan, polystyrene**

Square shape



reference	capacity	h (mm)	l (mm)	w (mm)	pcs/pack	price/pack	average price/pc
WPAP-041-500	7 ml	7,5	41	41	500		
WPAP-089-500	100 ml	24	89	89	500		
WPAP-140-500	250 ml	22	140	140	500		

PRAT DUMAS

**Weighing paper**

In square sheets. 100 % cellulose without binder. Surface weight: 25 g/m<sup>2</sup>.



reference	l (mm)	w (mm)	pcs/pack	price/pack	average price/pc
WPPF-100-1K0	100	100	1000		

LBG

**Weighing funnel**

Made of borosilicate glass LGB 3.3



reference	capacity	pcs/pack	price/pack	average price/pc
WFU3-003-002	3 ml	2		
WFU3-006-002	6 ml	2		
WFU3-010-002	10 ml	2		

### Compact Magnetic stirrer without heating, LBX S01 series, 0,8 L

Ultra-flat. Speed adjustable between 15 and 1500 rpm. Capacity: 0,8 L. It can reverse direction of rotation. Housing made of ABS, chemically resistant. For magnetic bars up to 40 mm (not included). Dimension of work plate (mm): 90 x 90. Slip-proof and stable. External dimensions (L x W x H): 175 x 120 x 15 mm. 100-240 V / 50-60 Hz, high insulation rating IP65 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-000-001	magnetic stirrer LBX S01 series, 0,8 L	1	

### Magnetic stirrer without heating, LBX BASIC series, 1,5 L

Ultra silence and vibration-free design. Speed adjustable between 300 and 2000 rpm. Capacity: 1,5 L. For magnetic bars up to 40 mm (not included). Dimension of work plate: Ø120mm. PET top provides excellent chemical resistance. Brushless DC motor, maintenance free. External dimensions (L x W x H): 145 x 150 x 50 mm. 100-240 V / 50-60 Hz, protection class IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-00B-001	magnetic stirrer LBX BASIC series, 1,5 L	1	

### Magnetic stirrer without heating, LBX S03 series, 3 L

Speed adjustable between 0 and 1500 rpm. Capacity: 3 L. Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. For beakers Ø<135 mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 206 x 150 x 80 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-003-001	magnetic stirrer, LBX S03 series, 3 L	1	

### Magnetic stirrer without heating, LBX S03D series, digital regulation, 3 L

Speed adjustable between 100 and 1500 rpm. Capacity: 3 L. Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. LED display for set and actual speeds. Microprocessor control technology guarantees speed control accuracy. For beakers Ø<135 mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 260 x 150 x 80 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-D03-001	magnetic stirrer, LBX S03D series, 3 L	1	

### Magnetic stirrer without heating, LBX S20 series, ceramic coated plate, 20 L

Speed adjustable between 0 and 1500 rpm. Capacity: 20 L. Ceramic coated plate. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar to escape. DC brushless motor guarantees long service. For beakers Ø<135 mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 280 x 160 x 85 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-020-001	magnetic stirrer LBX S20 series, 20 L	1	

lbx



lbx



lbx



lbx



lbx



lbx



### Multi-position magnetic stirrer without heating, LBX S04X10 series, 10 positions

High-performance magnetic stirrer with 10 stirring positions that benefits laboratory space. Speed adjustable between 0 and 1100 rpm. Capacity per position: 0,4 L. Stainless steel plate with silicone film, anti-slip and anti-corrosion. Individually controlled stirring for consistency with various samples. DC brushless motor maintenance free. Dimension of work plate: 180 x 450 mm. For magnetic bars up to 40 mm long. Supplied with one PTFE magnetic bar. External dimensions (L x W x H): 552 x 182 x 65 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIS-100-001	multi-position magnetic stirrer LBX S04X10 series, 10 positions, 0,4 L per position	1	

lbx



### Magnetic mini-stirrer with heating LBX H01 series, 2 L

Epoxy resin housing and aluminum plate with aluminum heating plate with dimensions 120 x 120 mm. Stirring speed adjustable between 0 and 2000 rpm. Temperature adjustable up to 380 °C on plate. Capacity: 2 L. Electric motor power: 10 W, heating power: 180 W. Includes aluminum rod and retort clamp for thermometer holding. External dimensions (L x W x H): 200 x 120 x 90 mm. 230 V/50 Hz. Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-001-001	magnetic mini-stirrer LBX H01 series, 2 L	1	

lbx



### Digital magnetic stirrer with heating and ceramic coated plate, LBX H03D series, 3 L

Housing made of ABS with fire retardant material, withstanding weak acids and alkalis. Ceramic coated hotplate. LED display for temperature and speed. Stirring speed adjustable between 200 and 1500 rpm. Temperature adjustable up to 280 °C on plate. Capacity: 3 L. Heating power: 515 W. Optional: external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,5^{\circ}\text{C}$ ). HOT warning indicates residual hotplate temperature. DC brushless motor maintenance free. For beakers with  $\varnothing < 135$  mm and magnetic bars up to 50 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 260 x 150 x 80 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-D03-001	magnetic stirrer LBX H03D series, 3 L	1	

lbx



### Magnetic stirrer with heating and ceramic coated plate, LBX H20 series, 20 L

Ceramic coated hotplate. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Heating power: 530 W. Separated safety circuit, automatically stopping heating when temperature goes over 350 °C. Capacity: 20 L. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar escape. DC brushless motor maintenance free. For beakers with  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 280 x 160 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-020-001	magnetic stirrer LBX H20 series, 20 L	1	

### Digital magnetic stirrer with heating and ceramic coated plate, LBX H20D series, 20 L

Ceramic coated hotplate. Stirring speed adjustable between 100 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Capacity: 20 L. Heating power: 550 W. PID temperature technology allows a very precise control of the heating process, reaching quickly the target temperature and enhancing control accuracy. LCD display for set and actual speeds. Separated safety circuits, automatically stopping heating when temperature over 360 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,2^{\circ}\text{C}$ ). DC brushless motor maintenance free. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. RS232 interface and free StirPC software. External dimensions (L x W x H): 280 x 160 x 85 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-D20-001	magnetic stirrer, LBX H20D series, 20 L with sensor Pt1000 included	1	

### NEW Digital magnetic stirrer with timing, heating and ceramic coated plate, Onilab MS-H-Pro', 20 L

Ceramic coated hotplate. Stirring speed adjustable between 100 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Timer (1 min – 99h 59 min). Capacity: 20 L. Heating power: 550 W. PID temperature technology allows a very precise control of the heating process, reaching quickly the target temperature and enhancing control accuracy. LCD display for temperature, timing and set and actual speeds. Separated safety circuits, automatically stopping heating when temperature over 360 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,2^{\circ}\text{C}$ ). DC brushless motor maintenance free. For beakers  $\varnothing < 135$  mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. RS232 interface and free StirPC software. External dimensions (L x W x H): 280 x 160 x 85 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
NSTH-T20-001	magnetic stirrer, Onilab MS-H-Pro series, 20 L with sensor Pt1000 included	1	

### Digital magnetic stirrer with heating and glass ceramic plate, LBX H20SQC series, 10 L

Glass Ceramic hotplate, dimensions 184x184 mm. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 550 °C on plate. Capacity: 10 L. Heating power: 1030 W. LED display for set and actual speeds. Separated safety circuits, automatically stopping heating when temperature goes over 580 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,5^{\circ}\text{C}$ ). For magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 360 x 215 x 112 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-G20-001	magnetic stirrer LBX H20SQC series, 10 L with sensor Pt1000 included	1	

### Accessories for magnetic stirrers

Pt1000 temperature sensor with and without glass coating, support clamp for temperature sensor and protective cover with temperature resistance of 135°C

reference	description	pcs/pack	price/pack
STIH-A00-001	Pt1000 temperature sensor (length of 230 mm) - compatible with H03D, H20D, H20SQC, MS-H-ProT, MS7-H550-Pro and HP550-S	1	
STIH-A01-001	Pt1000 temperature sensor with glass coating (length of 230 mm) - compatible with H03D, H20D, H20SQC, MS-H-ProT, MS7-H550-Pro and HP550-S	1	
STIH-A02-001	support clamp for temperature sensor - compatible with H03D	1	
STIH-A04-001	support clamp for temperature sensor - compatible with H20D, H20SQC, MS-H-ProT, MS7-H550-Pro and HP550-S	1	
STIH-A05-001	protective cover for H20 and H20D	1	

lbx



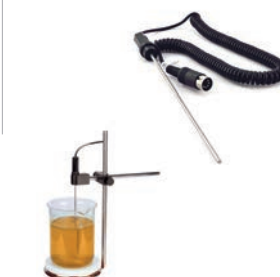
ONILAB



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ONILAB



### Digital magnetic stirrer with heating and glass ceramic plate, Onilab MS7-H550-Pro series, 20L

NEW

Glass Ceramic heating plate of 184×184 mm. Stirring speed adjustable between 100 and 1500 rpm (resolution  $\pm 1$  rpm). Temperature adjustable up to 550 °C on plate. Capacity: 20 L. Heating power: 1050 W. PID temperature technology allows a very precise control of the heating process, reaching quickly the target temperature and enhancing control accuracy. LCD display that shows the temperature ( $\pm 0,1$  °C) as well as the set and actual speed. Separated safety circuits, automatically stopping heating when temperature goes over 580 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000 allows a real-time temperature control (accuracy  $\pm 0,2$  °C). DC brushless motor maintenance free. For magnetic bars from 30 mm up to 80 mm long. Supplied with a magnetic bar. External dimensions (L x W x H): 360 x 215 x 112 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
NSTH-550-001	magnetic stirrer Onilab MS7-H550-Pro series, 20 L with sensor Pt1000 included	1	

LBX



### Multi-position magnetic stirrer with heating, LBX H04X10 series, 10 positions

NEW

High-performance magnetic stirrer with 10 stirring positions that benefits laboratory space. Temperature adjustable up to 120°C on plate. Speed adjustable between 0 and 1100 rpm. Capacity per position: 0,4 L. Stainless steel plate with silicone film, anti-slip and anti-corrosion. Homogenous stirring for all positions. DC brushless motor maintenance free. Dimension of work plate: 180 x 450 mm. For magnetic bars up to 40 mm long. Supplied with one PTFE magnetic bar. External dimensions (L x W x H): 622 x 182 x 65 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DINEN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
STIH-100-001	multi-position magnetic stirrer with heating LBX H04X10 series, 10 positions, 0,4 L per position, 120°C	1	

LBX



### Aluminum reaction blocks

NEW

Made of aluminum, to hold round bottom flasks on top of stirrers and hotplates

reference	capacity	Ø (mm)	h (mm)	pcs/pack	price/pack
RBLO-100-001	100 ml	65	32,5	1	
RBLO-250-001	250 ml	88	44	1	

LBX



### Mini Vortex Stirrer LBX V03 series, without speed control

Small footprint and compact structure. Touch function. Fixed speed of 3000 rpm. Orbital diameter of 5.5 mm. Excellent mixing capability. Maximum test tube size: Ø30 mm. Patented design of foot pad can hold the vortex mixer firmly in place when in mixing. Total dimensions (Ø x h): 100 x 78 mm. Low operation voltage (12V) for full protection. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
VORX-003-001	mini Vortex stirrer LBX V03 series	1	

### Vortex stirrer LBX, V05 series, with speed control

Electronic adjustment of speed between 0 and 2500 rpm. Two function mode: continuous operation or short-time operation by pressure over the head. Different applications thanks to the adapters (optional). Standard top for  $\varnothing < 30$  mm tubes and small vessels, VORX-A03-001, delivered with the stirrer. External dimensions (h x  $\varnothing$  x w): 130 x 160 x 127 mm. High stability due to the specially designed vacuum suction feet, preventing the unit to move. 200-230 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
VORX-005-001	vortex stirrer LBX V05 series	1	
<b>Accessories and spare parts</b>			
VORX-A03-001	standard holder for $< \varnothing 30$ mm tubes	1	
VORX-A04-001	universal top plate for tubes adaptators or non-slip platform $\varnothing 100$ mm	1	
VORX-A06-001	tension rod (to be used with tube adaptators)	1	
VORX-A07-001	rubber vacuum suction foot with screw	1	
<b>Adapters</b>			
VORX-A41-001	tube adapter for 48 holes test tubes, $\varnothing 6$ mm	1	
VORX-A51-001	tube adapter for 15 holes test tubes, $\varnothing 10$ mm	1	
VORX-A61-001	tube adapter for 12 holes test tubes, $\varnothing 12$ mm	1	
VORX-A71-001	tube adapter for 8 holes test tubes, $\varnothing 16$ mm	1	
VORX-A81-001	tube adapter for 8 holes test tubes, $\varnothing 20$ mm	1	
VORX-A05-001	non-slip platform pad for tubes ( $\varnothing < 99$ mm)	1	

### Tube roller LBX TR06 series, variable speed, 6 rollers

It provides smooth motion but effective to obtain a homogeneous mixture. Speed regulation between 0 and 70 rpm. Six rollers easy to clean. Roller size (L): 280 mm. Continuous operation. DC brushless motor maintenance free. Can be used in cold rooms or in incubators. External dimensions (L x W x H): 450 x 260 x 120 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
MIXS-002-001	tube Roller LBX TR06 series, 6 rollers	1	

### Digital overhead stirrer LBX OS20 / OS40 series

Vertical rotation stirrer with speed regulation between 50 and 2200 rpm. Used for stirring beakers and other bottles by a stick (not included, see accessories) fixed in the shaft. To fix it, you will require a retort stand and a bosshead (not included). LED displays actual speed. Anti-spill system. Overload protection, motor would automatically stop in case of continuous overload. Separated safety circuits, automatically cut off the circuit in abnormal conditions. DC brushless motor maintenance free. External dimensions (L x W x H): 186 x 83 x 220 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years. It is recommended to combine with the retort stand RTSP-250-001 and the bosshead BOSH-001-001

reference	description	pcs/pack	price/pack
STIV-020-001	overhead stirrer LBX OS20 series, cap: 20 L, 10000 mPas, 70 W	1	
STIV-040-001	overhead stirrer LBX OS40 series, cap: 40 L, 50000 mPas, 130 W	1	

lbx



lbx



lbx





ONILAB



### Digital overhead stirrer Onilab OS40-Pro

NEW

Vertical rotation stirrer with speed regulation between 50 and 2200 rpm with automatic strength correction to maintain the desired speed depending on the sample resistance, maximum agitation capacity of 40L, maximum viscosity of 50.000 mPas and power of 130 W. Used for stirring beakers and other bottles by a stirring bar (not included, see accessories) fixed in the shaft. To fix it, you will require a retort stand and a bosshead (not included). LCD screen displays programmed speed, real speed and torque (Ncm) to see the changes in viscosity. Anti-spill system. Overload protection, motor would automatically stop in case of continuous overload. Separated safety circuits, automatically cut off the circuit in abnormal conditions. DC brushless motor maintenance free. External dimensions (L x W x H): 186 x 83 x 220 mm. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years. It must be combined with STIV stirring bars and it is recommended to combine with the retort stand RTSP-250-001 and the bosshead BOSH-001-001

reference	description	pcs/pack	price/pack
NSTV-040-001	overhead stirrer Onilab OS40-Pro series, cap: 40 L, 50000 mPas, 130 W	1	

LBX

### Stirring bars for OS20, OS40 and OS40-Pro series

Stirring bars compatible with LBX OS20, LBX OS40 and Onilab OS40-Pro with the following available shapes:

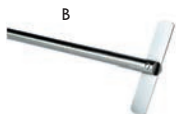
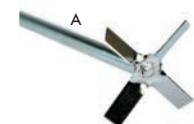
Crossed stirrer: Standard stirring element used at medium and high speeds (A)

Straight stirrer: Ideal for the mixing of low viscosity media at medium and high speeds (B)

Blade stirrer: Ideal for samples that need gentle processing at low and medium speeds (C)

Centrifugal stirrer: Ideal for stirring in round vessels with narrow necks (D)

Available in 316L stainless steel or PTFE coated



reference	description	pcs/pack	price/pack
316L stainless steel stirring bars			
STIV-A05-001	crossed stirrer, shaft length 40 cm, stirrer Ø 5 cm (A)	1	
STIV-A06-001	straight stirrer, shaft length 40 cm, stirrer Ø 6 cm (B)	1	
STIV-A07-001	blade stirrer, shaft length 40 cm, stirrer Ø 6.8 cm (C)	1	
STIV-A08-001	centrifugal stirrer, shaft length 40 cm, stirrer Ø 9 cm (D)	1	
PTFE coated stirring bars			
STIV-A09-001	crossed stirrer, shaft length 35 cm, stirrer Ø 6.5 cm	1	
STIV-A10-001	straight stirrer, shaft length 35 cm, stirrer Ø 7 cm	1	
STIV-A11-001	blade stirrer, shaft length 35 cm, stirrer Ø 6.8 cm	1	
STIV-A12-001	centrifugal stirrer, shaft length 35 cm, stirrer Ø 8.5 cm	1	

LBX

### Microplate mixer LBX MM1500 series

Universal microplate mixer suitable for tubes and 96-well microplates. Adapter for 1 microplate supplied with the stirrer (see other accessories). Speed regulation between 0 and 1500 rpm. Continuous operation. DC brushless motor maintenance free. External dimensions (L x W x H): 260 x 150 x 80 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
MIXS-001-001	microplate mixer LBX MM1500 series	1	
Accessories and spare parts			
MIXS-A11-001	adapter for 1 microplate, speed range: 0 - 1500 rpm	1	
MIXS-A21-001	adapter for 2 microplates, speed range: 0 - 1000 rpm	1	
MIXS-A31-001	universal top plate (round) for tube adapters	1	
Adapters			
MIXS-A41-001	for 48 test tubes, Ø 6 mm	1	
MIXS-A51-001	for 15 test tubes, Ø 10 mm	1	
MIXS-A61-001	for 12 test tubes, Ø 12 mm	1	
MIXS-A71-001	for 8 test tubes, Ø 16 mm	1	
MIXS-A81-001	for 8 test tubes, Ø 20 mm	1	



### Rotator stirrer LBX RR80 series

It provides smooth motion but effective to obtain a homogeneous mixture. Compact space-saving design fits easily in the incubator. Control speed regulation between 0 and 80 rpm. Fix mixing angle: 90°. Continuous operation type. Includes a wide variety of plastic clips for fixing microtubes and tubes with a volume range of 1.5 ml and 50 ml. External dimensions (L x W x H): 150 x 530 x 190 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
MIXS-005-001	rotator stirrer LBX RR80 series	1	
Spare parts			
MIXS-A15-012	12 plastic clips for fixing 1.5 ml centrifuge tubes	12	
MIXS-A25-012	12 plastic clips for fixing 15 ml centrifuge tubes	12	
MIXS-A35-012	12 plastic clips for fixing 50 ml centrifuge tubes	12	

### Rotator stirrer with carousel type design LBX RD80 series

It provides smooth motion but effective to obtain a homogeneous mixture. The rotator comes with a carousel type design. Compact space-saving design fits easily in the incubator. Control speed regulation between 0 and 80 rpm. Fix mixing angle: 90°. Continuous operation type. Includes a wide variety of plastic clips for fixing microtubes and tubes with a volume range of 1.5 ml and 50 ml. External dimensions (L x W x H): 300 x 220 x 310 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
MIXS-006-001	rotator stirrer with carousel type design LBX RD80 series	1	
Spare parts			
MIXS-A16-012	12 plastic clips for fixing 1.5 ml centrifuge tubes	12	
MIXS-A26-012	12 plastic clips for fixing 15 ml centrifuge tubes	12	
MIXS-A36-012	12 plastic clips for fixing 50 ml centrifuge tubes	12	



### Basic orbital shaker, LBX Orb-B

Speed adjustable between 0 and 200 rpm. Orbital diameter of 20 mm. Load capacity of 3 kg. The device includes a SHKB-A01-001 non-slip platform and can be combined with the other platforms (in accessories) and a universal attachment with 3 bars (in accessories). Dimensions (W x D x H): 270 x 330 x 110 mm. 100-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years.

reference	description	pcs/pack	price/pack
SHKB-200-001	basic orbital shaker, LBX Orb-B	1	
Accessories and spare parts			
SHKB-A01-001	non-slip platform 24 x 21.5 cm	1	
SHKB-A02-001	non-slip platform 30 x 23 cm	1	
SHKB-A03-001	non-slip platform 28 x 28 cm	1	
SHKB-A04-001	universal accessory with 3 bars	1	
SHKB-A05-001	replacement bar for SHKB-A04-001	1	

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### Orbital shaker with digital screen and timing function, LBX Orb-Pro

NEW

Two LCD screens that show time and speed. Timer function (1min-19h59min). Speed adjustable between 100 and 500 rpm. Orbital diameter of 10 mm. Load capacity of 7,5 kg. DC Brushless maintenance free motor. The device includes a SHKP-A02-001 universal accessory with 4 bars and can be combined with a non-slip platform. Dimensions (W x D x H): 370 x 420 x 100 mm. 100-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years.

reference	description	pcs/pack	price/pack
SHKP-500-001	orbital shaker with digital screen and timing function, LBX Orb-Pro	1	
Accessories and spare parts			
SHKP-A01-001	non-slip platform 30 x 28.5 cm	1	
SHKP-A02-001	universal accessory with 4 bars	1	
SHKP-A03-001	replacement bar for SHKP-A02-001	1	

lbx



### Supports and clips for orbital shakers

NEW

To be combined with SHKB-200-001 and SHKP-500-001 orbital shakers. They require the fixation supports. The SHKU-A01-001 connectors are used for connecting two non-slip platforms, one on top of the other.

reference	description	pcs/pack	price/pack
SHKB-A00-001	clip fixation support for SHKB-200-001	1	
SHKP-A00-001	clip fixation support for SHKP-500-001	1	
SHKU-025-001	clip for 25 ml Erlenmeyer (9 max. at SHKB, 28 max. at SHKP)	1	
SHKU-050-001	clip for 50 ml Erlenmeyer (9 max. at SHKB, 16 max. at SHKP)	1	
SHKU-100-001	clip for 100 ml Erlenmeyer (9 max. at SHKB, 16 max. at SHKP)	1	
SHKU-250-001	clip for 200/250 ml Erlenmeyer (4 max. at SHKB, 9 max. at SHKP)	1	
SHKU-500-001	clip for 500 ml Erlenmeyer (2 max. at SHKB, 4 max. at SHKP)	1	
SHKU-A01-001	connectors for double non-slip platform	1	

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### Magnetic stirring bar, octahedral

Fully encapsulated with high-grade PTFE. For containers with bases that are slightly curved or uneven

reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGO-013-005	8	13	5		
MAGO-015-005	8	15	5		
MAGO-022-005	8	22	5		
MAGO-025-005	8	25	5		
MAGO-028-005	8	28	5		
MAGO-038-005	8	38	5		
MAGO-051-005	10	51	5		
MAGO-075-005	13	75	5		
30 units "Saving package"					
MAGO-013-030	8	13	30		
MAGO-015-030	8	15	30		
MAGO-022-030	8	22	30		
MAGO-025-030	8	25	30		
MAGO-028-030	8	28	30		
MAGO-038-030	8	38	30		
MAGO-051-030	10	51	30		
MAGO-075-030	13	75	30		

**Magnetic stirring bar, cylindrical**

Fully encapsulated with high-grade PTFE. General purpose stirrer for a wide variety of applications

reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGC-006-005	3	6	5		
MAGC-008-005	3	8	5		
MAGC-010-005	6	10	5		
MAGC-012-005	4,5	12	5		
MAGC-015-005	4,5	15	5		
MAGC-615-005	6	15	5		
MAGC-620-005	6	20	5		
MAGC-020-005	7	20	5		
MAGC-625-005	6	25	5		
MAGC-025-005	8	25	5		
MAGC-630-005	6	30	5		
MAGC-730-005	7	30	5		
MAGC-030-005	8	30	5		
MAGC-635-005	6	35	5		
MAGC-040-005	8	40	5		
MAGC-045-005	8	45	5		
MAGC-050-005	8	50	5		
MAGC-060-005	10	60	5		
MAGC-070-005	10	70	5		
MAGC-080-005	10	80	5		
30 units "Saving package"					
MAGC-006-030	3	6	30		
MAGC-008-030	3	8	30		
MAGC-010-030	6	10	30		
MAGC-012-030	4,5	12	30		
MAGC-015-030	4,5	15	30		
MAGC-615-030	6	15	30		
MAGC-020-030	7	20	30		
MAGC-620-030	6	20	30		
MAGC-025-030	8	25	30		
MAGC-625-030	6	25	30		
MAGC-630-030	6	30	30		
MAGC-730-030	7	30	30		
MAGC-030-030	8	30	30		
MAGC-635-030	6	35	30		
MAGC-040-030	8	40	30		
MAGC-045-030	8	45	30		
MAGC-050-030	8	50	30		
MAGC-060-030	10	60	30		
MAGC-070-030	10	70	30		
MAGC-080-030	10	80	30		

**Magnetic stirring bar, crosshead**

Fully encapsulated with high-grade PTFE. Designed for use with tube-like containers

reference	∅ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
MAGZ-010-001	10	8	1		
30 units "Saving package"					
MAGZ-010-030	10	8	30		

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**Magnetic stirring bar, oval**

Fully encapsulated with high-grade PTFE. For use in round bottomed flasks



reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGV-020-005	10	20	5		
MAGV-025-005	12	25	5		
MAGV-030-005	16	30	5		
MAGV-035-005	16	35	5		
MAGV-040-005	20	40	5		
MAGV-050-005	20	50	5		
30 units "Saving package"					
MAGV-020-030	10	20	30		
MAGV-025-030	12	25	30		
MAGV-030-030	16	30	30		
MAGV-035-030	16	35	30		
MAGV-040-030	20	40	30		
MAGV-050-030	20	50	30		

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**Magnetic stirring bar, plain**

Fully encapsulated with high-grade PTFE. Similar as cylindrical ones but more effective at low rpm



reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGP-012-005	3	12	5		
MAGP-025-005	8	25	5		
MAGP-040-005	8	40	5		
MAGP-050-005	8	50	5		
30 units "Saving package"					
MAGP-012-030	3	12	30		
MAGP-025-030	8	25	30		
MAGP-040-030	8	40	30		
MAGP-050-030	8	50	30		

lbx

**Magnetic stirring bar, triangular**

Fully encapsulated with high-grade PTFE. Particularly effective for dissolving solids and mixing sediments because of scraper-like action



reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGT-012-005	6	12	5		
MAGT-025-005	8	25	5		
MAGT-035-005	9	35	5		
MAGT-040-005	14	40	5		
MAGT-050-005	12	50	5		
30 units "Saving package"					
MAGT-012-030	6	12	30		
MAGT-025-030	8	25	30		
MAGT-035-030	9	35	30		
MAGT-040-030	14	40	30		
MAGT-050-030	12	50	30		

### Magnetic stirring bar, micro

Fully encapsulated with high-grade PTFE. Designed for use with the smallest containers

reference	∅ (mm)	l (mm)	pcs/pack	price/pack	average price/pc
MAGM-002-010	2	2	10		
MAGM-003-010	3	3	10		
MAGM-005-010	2	5	10		
MAGM-007-010	2	7	10		
MAGM-008-010	1,5	8	10		

### Magnetic stirring bar, giant

Pivot ring shape. Fully encapsulated with high-grade PTFE. Designed for use with the biggest containers

reference	∅ (mm)	l (mm)	pcs/pack	price/pack
MAGG-057-001	24	57	1	
MAGG-108-001	24	108	1	
MAGG-159-001	24	159	1	

### Stirpack 1: 12 cylindrical magnetic stirring bar set

Plasticbox with 12 cylindrical stirring bars (∅xL): 3x8, 6x10, 4,5x12, 4,5x15, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x45 and 10x60

reference	description	pcs/pack	price/pack
MAGS-PK1-012	StirPack 1: 12 cylindrical stirring bars	12	

### Stirpack 2: 12 octahedral magnetic stirring bar set

Plasticbox with 12 octahedral stirring bars (∅xL): 8x13 (2 pcs), 8x25 (3 pcs), 8x38 (3 pcs), 10x51 (2 pcs) and 13x75 (2 pcs)

reference	description	pcs/pack	price/pack
MAGS-PK2-012	StirPack 2: 12 octahedral stirring bars	12	

### Stirpack 3: 17 assorted magnetic stirring bar set

Plasticbox with 17 stirring bars: 11 cylindrical ones(∅xL): 3x8, 6x10, 4,5x12, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x50 y 10x70. 4 octahedral ones (∅xL): 8x25, 8x38, 10x51 y 13x75. 2 oval ones (∅xL): 10x20 and 16x30

reference	description	pcs/pack	price/pack
MAGS-PK3-017	StirPack 3: 17 assorted stirring bars	17	

### Magnet retriever, PTFE

Moulded in pure, FDA approved, PTFE. Autoclavable

reference	∅ (mm)	l (mm)	pcs/pack	price/pack
MAGR-150-001	10	150	1	
MAGR-250-001	10	250	1	
MAGR-350-001	10	350	1	

labbox



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-OMM-

**Bunsen burner with tap**

Bunsen with tap and flame stabilizer. Nickel-plated brass tube 11 mm diameter x 130 mm height

reference	type	pcs/pack	price/pack
BUNS-B01-001	for LPG	1	
BUNS-N01-001	for Natural gas	1	

-OMM-

**Sekur-flam burner**

Bunsen with tap and flame stabilizer. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive 2009/142/EC. Nickel-plated brass tube 11 mm diameter x 130 mm height

reference	type	pcs/pack	price/pack
BUNS-B02-001	for LPG	1	
BUNS-N02-001	for Natural gas	1	

-OMM-

**Sekur-flam burner with piezoelectric lighting**

Bunsen with tap, flame stabilizer and piezoelectric lighting. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive 2009/142/EC. Nickel-plated brass tube 11 mm diameter x 130 mm height

reference	type	pcs/pack	price/pack
BUNS-B03-001	for LPG	1	
BUNS-N03-001	for Natural gas	1	

LBG

**Alcohol burner**

Made of glass, complete with wick and plastic cap

reference	capacity	pcs/pack	price/pack
ALBN-100-001	alcohol burner, 100 ml	1	
ALBN-WIK-010	wicks for alcohol burner	10	

NEW

bb

**Piezoelectric lighter**

To light bunsen burner

reference	type	pcs/pack	price/pack
LIGH-002-001	gas	1	

electric

**Basic heating plate**

Basic heating plate for occasional heating, not suitable for continuous use at maximum power. Regulable power (5 positions) and temperature over plate up to 400 °C. Overheating protection. 230 V/50 Hz. Warranty 2 years

reference	power	pan size	pcs/pack	price/pack
HEAB-1K7-001	1500 W	Ø 187 mm	1	



**Heating plate with digital screen Onilab HP550-S**

Can support long time continuous work. Glass ceramic heating plate of 184 x 184 mm. Temperature adjustable up to 550°C (5°C increments). Digital screen that shows the temperature ( $\pm 1$  °C). Includes an external temperature sensor PT1000 that allows a real-time temperature control. Heating power: 1000 W. Separated safety circuits, automatically stopping heating when temperature goes over 580 °C. HOT warning indicates residual hotplate temperature, even if switched off. External dimensions (L x W x H): 360 x 215 x 112 mm. 100-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

reference	description	pcs/pack	price/pack
NHOT-550-001	Heating plate Onilab HP550-S with sensor Pt1000 included	1	

**Silicone oil for heating baths**

Silicon oil stable at heating and withstanding high temperatures (-50 +200°C). High chemical stability, low evaporation and low variation of viscosity with temperature

reference	type	package	price/pack
SOIL-100-1K0	LBSil 100	1 L	
SOIL-100-5K0	LBSil 100	5 L	

**Thermostatic baths LBX WB01**

Metal housing with an exterior metallic structure covered with epoxy (anti-rust treatment) and stainless steel interior chamber. Digital temperature regulation from room temperature +5 °C up to 100°C (Resolution: 1 °C). Continuous mode or programed periods with acoustic signal at the end of the selected time. Timer from 1 min. up to 9999 min. Double digital display temperature and time. Acoustic signal indicates overheating of the bath. "Perforated shelf" accessory, lid with holes (11 cm) and reduction rings (8 and 5 cm) included. Drainage hose (except model TWBA-001-001). 220 V  $\pm$  10%; 50/60 Hz  $\pm$  1. Warranty 1 year

reference	capacity	power (w)	holes	useful dimensions (l x w x h)	pcs/pack	price/pack
TWBA-001-001	3 L	400 W	1	150 x 135 x 150 mm	1	
TWBA-002-001	6,1 L	500 W	2	300 x 135 x 150 mm	1	
TWBA-004-001	14,6 L	1000 W	4	325 x 300 x 150 mm	1	
TWBA-006-001	22,5 L	1500 W	6	500 x 300 x 150 mm	1	

**MINI ultrasonic bath with timer, without heating, LBX ULTR Small**

Designed for cleaning small laboratory objects. Lid and basket included. 0,8 L stainless steel bath resistant to water and digital screen for the timing view. Timer: 0-30 min. 220-240 V / 50-60 Hz. Warranty 1 year

reference	capacity	ultrasound power	internal dimensions (l x w x h)	pcs/pack	price/pack
ULTR-0L8-001	0,8 L	50 W	150 x 85 x 65 mm	1	

**Heated ultrasonic bath with timer, LBX ULTR**

Stainless steel body and bath resistant to water. Lid and basket included. Digital screen that shows temperature and timing. Temperature control (adjustable from RT to 80°C). Timer: 0-30 min. The 6,5 L – 30 L models have a drainage valve. 220-240 V / 50-60 Hz. Warranty 1 year

reference	capacity	ultrasound power	heating power	internal dimensions (l x w x h)	pcs/pack	price/pack
ULTR-2L0-001	2 L	80 W	100 W	150 x 135 x 100 mm	1	
ULTR-3L2-001	3,2 L	120 W	100 W	240 x 135 x 100 mm	1	
ULTR-6L5-001	6,5 L	180 W	150 W	300 x 150 x 150 mm	1	
ULTR-10L-001	10 L	240 W	200 W	300 x 240 x 150 mm	1	
ULTR-15L-001	15 L	360 W	300 W	330 x 300 x 150 mm	1	
ULTR-30L-001	30 L	600 W	500 W	500 x 300 x 200 mm	1	

**ONILAB****labkem****lbx****lbx****lbx**



BUNSEN



### “Oil tasting bath, 6 places

Housing made of AISI 304 stainless steel. Non-removable fixed aluminium box. Heating through a flat element covering all the box surface. Temperature adjustment with a digital thermometer, from room temperature 5 °C up to 40 °C. 3-digits temperature display with accuracy 0,1 °C. External dimensions: 185 x 80 x 315 mm. Maximum temperature: 30°C. Consumption: 125 W. Aluminium box specially design for edible oil tasting according to European Union regulation L.248/67. Designed following recommendations of IOC (International Olive Council). Manufactured as per CE directives. 230V/50Hz. Warranty 2 years. Delivery time 3 weeks. It is recommended to take together with the tasting glasses (OLIV-001-006) and watch glasses dish, 60 mm (WDIN-060-010)

reference	description	pcs/pack	price/pack
OLIV-B06-001	oil taste bath, 6 places	1	
Accessories and spare parts			
OLIV-001-006	tasting glass for olive oil, blue glass	6	
WDIN-060-010	watch glass dish, 60 mm, LBG N	10	

lbx

### Digital dry bath, LBX HDB120 series

Dry heating system by metal blocks of 150 x 95 mm. Temperature adjustable up to 120°C (accuracy  $\pm 0,5^\circ\text{C}$ ). Two function mode: continuous or timed operation (1'- 99h59'). Heating power: 160 W. LED display for temperature and time. Heating block for 40 tubes of 1,5/2 ml delivered with the dry bath (DHDB-B03-001). Different applications thanks to a variety of interchangeable blocks (not included). Over temperature protection. External dimensions (L x W x H): 290 x 175 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



reference	description	pcs/pack	price/pack
DHDB-120-001	digital dry bath, LBX HDB120 series	1	
Heating block			
DHDB-B01-001	for 54 tubes of 0,2 ml (Øhole: 6,4 mm)	1	
DHDB-B02-001	for 40 tubes of 0,5 ml (Øhole: 8,2 mm)	1	
DHDB-B03-001	for 40 tubes of 1,5/2 ml (Øhole: 11 mm)	1	
DHDB-B04-001	for 28 tubes of 5/15 ml (Øhole: 17 mm)	1	
DHDB-B05-001	for 8 tubes of 50 ml (Øhole: 29,8 mm)	1	
DHDB-B06-001	for 96 or 384 microplate	1	

DLAB

### Digital thermostatic block with shaking, DLAB HCM100-Pro

NEW

Excellent mixing and temperature control to ensure reproducible results. Wide range of applications, such us gene synthesis and purifications, protein and gene denaturation, enzymatic reaction, bacterial growth, etc. Compatible with a wide range of tubes (includes DTBS-A02-001, rest of blocks are not included). Mixing frequency: 200-1500 rpm. Max. heating temperature: 100 °C, Max. cooling temperature: RT-15 °C. Heating: 5,5 °C/min, cooling: 5 °C/min and 0,5 °C/min under room temperature. Temperature control accuracy:  $\pm 0,5^\circ\text{C}$ . Temperature uniformity: Max.  $\pm 0,5^\circ\text{C}$ . Mixing orbit: 3 mm. Programmable in multiple steps (up to 9 programs can be saved). Overtemperature protection: 150 °C. Dimensions: 200 x 235 x 120 mm. Weight: 7,3 kg. 100-240 V, 50-60 Hz, 200 W. Warranty 2 years



reference	description	pcs/pack	price/pack
DTBS-100-001	digital thermostatic block with shaking, DLAB HCM100-Pro	1	
Accessories and spare parts			
DTBS-A01-001	adapter block, 24 x 0,5ml, 1500rpm, Ø x depth: 8,1 x 26 mm	1	
DTBS-A02-001	adapter block, 24 x 1,5ml, 1500rpm, Ø x depth: 10,9 x 30,8 mm	1	
DTBS-A03-001	adapter block, 24 x 2ml, 1500rpm, Ø x depth: 10,9 x 30,8 mm	1	
DTBS-A04-001	adapter block, 8 x 5ml, 1500rpm, Ø x depth: 13,6 x 42 mm	1	
DTBS-A05-001	adapter block, 8 x 15ml, 800rpm, Ø x depth: 6,5 x 80 mm	1	
DTBS-A06-001	adapter block, 4 x 50ml, 600rpm, Ø x depth: 29,6 x 80 mm	1	
DTBS-A07-001	well plate adapter	1	
DTBS-A08-001	adapter block for PCR, 96 x 0,2ml, 1500rpm	1	

### Heating mantle, LBX HM01 series

Heating mantle with electronic temperature regulation for distillation, digestion, evaporation, extraction and boiling. Maximum mantle temperature of 450°C at the surface. Continuous operation.

Fast, uniform and safety temperature regulation. Featured by anti-corrosion, age-resistant, durable and safe. Easy to operate. Includes aluminum rod and retort clamp for thermometer holding  
220V/50Hz. Warranty 1 year

reference	capacity	power (W)	Ø x h (mm)	pcs/pack	price/pack
HEAM-101-001	100 ml	100	200 x 160	1	
HEAM-251-001	250 ml	150	200 x 160	1	
HEAM-501-001	500 ml	250	200 x 160	1	
HEAM-1K1-001	1000 ml	350	260 x 200	1	
HEAM-2K1-001	2000 ml	450	300 x 230	1	

### Heating mantle with stirring, LBX HM02 series

Heating mantle with electronic temperature regulation and magnetic stirring. Speed range: 0 - 1400 rpm. Maximum mantle temperature of 450°C at the surface. Heating and stirring can be used simultaneously. Continuous operation.

Fast, uniform and safety temperature regulation. Includes stirring magnet, aluminum rod and retort clamp for thermometer holding. 220V/50Hz. Warranty 1 year

reference	capacity	power (W)	Ø x h (mm)	pcs/pack	price/pack
MSHM-100-001	100 mL	100	200 x 160	1	
MSHM-250-001	250 mL	150	200 x 160	1	
MSHM-500-001	500 mL	250	200 x 160	1	
MSHM-1K0-001	1000 mL	350	260 x 200	1	
MSHM-2K0-001	2000 mL	450	300 x 230	1	

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NEW

### High precision constant temperature incubator LBX INC65

Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Air circulation system that homogenizes the temperature in the working room. For temperatures up to 65 °C. Resolution: 0,1 °C. Fluctuation of the temperature: ±0,5 °C. Two LCD screens that show the real and the established temperature. Timing function (0-9999min). Homogeneity and stability of the temperature: ±0,8 °C. Crystal interior door that allows to see the samples. Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). 220-240V / 50-60 Hz. 2 years warranty

reference	capacity	ext. dim. (L x W x H)	int. dim. (L x W x H)	n° of shelves	pcs/pack	price/pack
INCU-045-001	45 L	525 x 480 x 620 mm	350 x 350 x 350 mm	7	1	
INCU-065-001	65 L	575 x 480 x 720 mm	400 x 350 x 450 mm	9	1	
INCU-125-001	125 L	675 x 580 x 820 mm	500 x 450 x 550 mm	13	1	

NEW

### Shelves for incubators and ovens

Shelves for LBX INC65 incubators and LBX OVF ovens.

reference	description	pcs/pack	price/pack
INCU-A01-001	shelf for INCU-045-001	1	
INCU-A02-001	shelf for INCU-065-001	1	
INCU-A03-001	shelf for INCU-125-001	1	
DOVF-A01-001	shelf for DOVF-030-001	1	
DOVF-A02-001	shelf for DOVF-045-001	1	
DOVF-A03-001	shelf for DOVF-065-001	1	
DOVF-A04-001	shelf for DOVF-125-001	1	

lbx



### Force air drying oven LBX OVF series

Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Adjustable temperatures from 40 °C to 300° C. Resolution: 0.1 °C. Fluctuation of the temperature:  $\pm 1$  °C. Temperature regulation by microprocessor with functions like over-temperature protection, sensor fault alarm, fixed temperature operation, timing function (0-9999 min), correction of deviation, internal parameter locked, etc. Homogeneity and temperature stability:  $\pm 2.5\%$ . Adjustable feet to facilitate the installation and leveling of the oven. Door with 180° opening window with double thermal safety glass for external control, without temperature variations in the inner chamber. Forced air convection. Standard fan switch. Easy to clean. Supplied with two grid trays adjustable in height (accepts up to 4 trays). 220-240 V / 50-60 Hz. 2 years warranty

reference	capacity	external dimensions (L x W x H)	internal dimensions (L x W x H)	pcs/pack	price/pack
DOVF-030-001	30 L	450 x 500 x 690 mm	310 x 310 x 310 mm	1	
DOVF-045-001	45 L	490 x 540 x 730 mm	350 x 350 x 350 mm	1	
DOVF-065-001	65 L	590 x 625 x 885 mm	400 x 360 x 460 mm	1	
DOVF-125-001	125 L	640 x 630 x 930 mm	500 x 450 x 550 mm	1	

HOBERSAL

### "Muffle furnace for laboratory, Economy series, max. temp 1100° C

Metal housing with paint protection. Built with low density refractory bricks and isolating fibers. Composed of 2 heating plates with incorporated resistance, placed on the 2 sides. Chamber built with Tritton Kaowool ceramic fiber. Ceramic tray included. Front opening door. Safety device: furnace disconnection by thermocouple break. Digital temperature regulation type PAD (Digital Automatic Pyrometer). Maximum service temperature: 1000 °C. Not recommended in continuous use. Warranty 2 years. Delivery time 1 week



reference	description	pcs/pack	price/pack
OVEC-016-001	chamber: 80x130x150 mm (1.6 L)	1	
OVEC-036-001	chamber: 120x150x200 mm (3.6 L)	1	
OVEC-076-001	chamber: 160x200x240 mm (7.6 L)	1	
Accessories and spare parts			
OVEC-A00-001	tray made of ceramic for OVEC-016-001	1	
OVEC-A01-001	tray made of ceramic for OVEC-036-001	1	
OVEC-A03-001	tray made of ceramic for OVEC-076-001	1	
OVEC-A05-001	step programation: 1 program of 8 segments	1	
OVEC-A06-001	step programation: 4 programs of 15 segments	1	

HDN  
ceramics

### Clay pipe triangle

With stainless steel wires



reference	l (mm)	pcs/pack	price/pack	average price/pc
PITC-050-006	50	6		
PITC-060-006	60	6		
PITC-075-006	75	6		

HDN  
ceramics

### Melting crucible high form, with lid Basic Line

Price includes crucible and lid. Glazed inside and outside



reference	capacity	$\varnothing_{rim}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
CRHC-015-006	15 ml	32	34	6		
CRHC-020-006	20 ml	36	38	6		
CRHC-030-006	30 ml	40	46	6		
CRHC-040-006	40 ml	42	54	6		
CRHC-050-006	50 ml	43	58	6		

NEW

**Melting crucible medium form, with lid Basic Line**

Price includes crucible and lid. Glazed inside and outside

reference	capacity	$\varnothing_{rim}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
CRMC-010-006	10 ml	30	28	6		
CRMC-015-006	15 ml	35	30	6		
CRMC-020-006	20 ml	38	32	6		
CRMC-025-006	25 ml	40	36	6		
CRMC-030-006	30 ml	42	41	6		
CRMC-040-006	40 ml	48	42	6		
CRMC-050-006	50 ml	53	46	6		
CRMC-100-006	100 ml	63	59	6		

**Melting crucible low form, with lid Basic Line**

Price includes crucible and lid. Glazed inside and outside

reference	capacity	$\varnothing_{rim}$ (mm)	h (mm)	pcs/pack	price/pack	average price/pc
CRLC-015-006	15 ml	43	23	6		
CRLC-018-006	18 ml	45	25	6		
CRLC-030-006	30 ml	51	30	6		

**Melting crucible high form Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover

reference	capacity	$\varnothing_{rim}$ (mm)	h (mm)	cover type	pcs/pack	price/pack	average price/pc
CRHK-005-006	5 ml	24	20	A	6		
CRHK-010-006	10 ml	31	26	B	6		
CRHK-015-006	15 ml	35	29	C	6		
CRHK-025-006	25 ml	40	32	D	6		
CRHK-030-006	30 ml	43	37	D	6		
CRHK-040-006	40 ml	50	40	E	6		
CRHK-050-006	50 ml	53	43	F	6		
CRHK-100-006	100 ml	65	54	G	6		
CRHK-250-003	250 ml	88	72	I	3		

**Melting crucible low form Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover

reference	capacity	$\varnothing_{rim}$ (mm)	h (mm)	cover type	pcs/pack	price/pack	average price/pc
CRLK-010-006	8 ml	32	20	B	6		
CRLK-020-006	17 ml	41	26	D	6		
CRLK-030-006	30 ml	50	31	E	6		
CRLK-050-006	50 ml	61	37	G	6		
CRLK-100-006	100 ml	76	46	H	6		
CRLK-150-006	150 ml	84	52	I	6		
CRLK-250-006	250 ml	102	60	J	6		
CRLK-500-006	500 ml	120	87	N/A	6		

HDN  
ceramicsHDN  
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ceramics

HDN  
ceramics**Crucible cover Premium Line**

Made of upper grade porcelain withstanding temperatures up to 1150 °C.  
Glazed inside and outside, except rim



reference	∅ <sub>int.</sub> (mm)	cover type	pcs/pack	price/pack	average price/pc
CRCK-026-006	26	A	6		
CRCK-034-006	34	B	6		
CRCK-038-006	38	C	6		
CRCK-047-006	47	D	6		
CRCK-053-006	53	E	6		
CRCK-058-006	58	F	6		
CRCK-069-006	69	G	6		
CRCK-080-006	80	H	6		
CRCK-093-006	93	I	6		
CRCK-108-006	105	J	6		

HDN  
ceramics**Gooch crucible with perforated bottom Premium Line**

Made of porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Does not include cover



reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	for paper filter ∅	pcs/pack	price/pack	average price/pc
CRGK-015-006	15 ml	29	32	15-16 mm	6		
CRGK-030-006	30 ml	36	45	20-21 mm	6		
CRGK-050-006	50 ml	40	49	23-24 mm	6		

LBC

**Quartz crucible, transparent**

Tall form. They can withstand temperatures up to 1100 °C. Price includes crucible and lid



reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack
CRQZ-020-001	20 ml	35	41	1	
CRQZ-025-001	25 ml	37	45	1	
CRQZ-030-001	30 ml	39	49	1	
CRQZ-050-001	50 ml	46	59	1	
CRQZ-100-001	100 ml	57	72	1	

HDN  
ceramics**Alumina crucible high form Premium Line**

Made of alumina 99,7 % withstanding temperatures up to 1750 °C. Unglazed. Do not include cover



reference	capacity	∅ <sub>top</sub> (mm)	h (mm)	pcs/pack	price/pack
ACHF-020-001	20 ml	40	35	1	
ACHF-050-001	50 ml	51	47	1	
ACHF-100-001	100 ml	60	62	1	

HDN  
ceramics**Combustion boat Premium Line**

Made of porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except lower bottom. With perforated handle



reference	capacity	length (mm)	h (mm)	width (mm)	pcs/pack	price/pack	average price/pc
COBK-080-012	1,5 ml	80	10	12	12		
COBK-086-001	2 ml	86	11	13	1		
COBK-090-001	2,2 ml	90	11	13	1		
COBK-120-001	4 ml	120	10,3	12	1		

### Imhoff cone for sedimentation

Available in borosilicate glass 3.3 or in transparent plastic (SAN). Graduated

reference	description	pcs/pack	price/pack
COI3-1K0-001	made of borosilicate glass 3.3	1	
CONP-1K0-001	made of plastic (SAN)	1	

### Imhoff cone stand

For glass or plastic cones. Available in methacrylate or stainless steel

reference	description	pcs/pack	price/pack
CONP-RAC-001	stand made of PMMA, for 2 Imhoff cones	1	
CONR-002-001	stand made of stainless steel, for 2 Imhoff cones	1	
CONR-004-001	stand made of stainless steel, for 4 Imhoff cones	1	

### Water sampling bottles, PET, sterile

Bottles without graduation, body made of PET, wide mouth for easy filling and square shape that optimizes packaging and transport. Polyethylene cap with security ring. Sterilized by ethylene oxide and single packed in polyethylene bag: the sterility of the product is only guaranteed if the pack is intact.

Available with predosed sodium thiosulfate (20 mg/L), according to ISO 19458.

Certificate of sterilization included (to be downloaded free of charge at [www.labbox.com](http://www.labbox.com))

reference	capacity	type	pcs/pack	price/pack	average price/pc
WSBE-500-090	500 ml	sterile without thiosulfate	90		
WSBE-50T-090	500 ml	sterile with thiosulfate	90		
WSBE-1K0-048	1000 ml	sterile without thiosulfate	48		
WSBE-1KT-048	1000 ml	sterile with thiosulfate	48		

### BOD bottle with glass robotic stopper

Made of 3.3 borosilicate glass (upper grade). Unnumbered. With write-on patch

sales unit reference	capacity	pcs per sales unit	per sales unit
BODB-300-001	300 ml	1	

### PoolTester - Quick and semiquantitative measurement kit for pH, Chlorine and Bromine

PoolTester pH and chlorine / bromine (POLT-T10-001) includes Testblock with 8pH scale values (range 6.8 – 8.2) and 16 chlorine / bromine values (ranges DPD N°1 (free Cl<sub>2</sub>) 0.1 – 6.0 mg/l / Br<sub>2</sub> 0.22 – 13.2 mg/l) and tablets RAPID (rapidly soluble) for 30 tests each

reference	description	pcs/pack	price/pack
POLT-T10-001	PoolTester pH and DPD N°1 (free Cl <sub>2</sub> / Br <sub>2</sub> )	1	
Reagents POLT-R10-030	Phenol Red RAPID / DPD N°1 (free Cl <sub>2</sub> / Br <sub>2</sub> ) RAPID	30	



### astik's



### WATER-I.D.





METRIA

**Semi-quantitative indicator strips**

Semi-quantitative indicator strips for: Nitrite, Peroxide, Water hardness, Sulphite, Free chlorine, Ammonium, Nitrate, Copper, Peracetic acid, Ascorbic acid, Fluoride and Phosphate. These tests allow a quick and easy method to determine these free/available ions in solution. 100 strips per pack



reference	range	interval	pcs/pack	price/pack
<b>Nitrite</b>				
NIIS-011-001	0-25 mg/L (ppm)	0 - 0.5 - 1 - 5 - 10 - 25	1	
NIIS-012-001	0-80 mg/l (ppm)	0 - 2 - 5 - 10 - 20 - 40 - 80	1	
<b>Peroxide</b>				
POIS-011-001	0-100 mg/L (ppm)	0 - 1 - 3 - 10 - 30 - 100	1	
POIS-012-001	0-1000 mg/L (ppm)	0 - 100 - 200 - 400 - 600 - 800 - 1000	1	
<b>Water hardness</b>				
WHIS-011-001	0-500 mg/L (ppm)	0 - 5 - 125 - 250 - 500	1	
WHIS-012-001	0-21 °d	3 - 4 - 7 - 14 - 21	1	
<b>Sulphite</b>				
SLIS-011-001	0-500 mg/l (ppm)	0 - 10 - 25 - 50 - 100 - 250 - 500	1	
<b>Chlorine</b>				
CHIS-011-001	0-5 mg/L (ppm)	0 - 0.5 - 1.0 - 3.0 - 5.0	1	
CHIS-012-001	0-20 mg/L (ppm)	0 - 1.0 - 3.0 - 5.0 - 10.0 - 20.0	1	
CHIS-013-001	0-300 mg/L (ppm)	0 - 25 - 50 - 100 - 200 - 300	1	
CHIS-014-001	0-1000 mg/L (ppm)	0 - 50 - 100 - 250 - 500 - 1000	1	
<b>Ammonium</b>				
MMIS-011-001	0-400 mg/l (ppm)	0 - 10 - 25 - 50 - 100 - 200 - 400	1	
<b>Nitrate</b>				
NAIS-011-001	0-500 mg/L (ppm)	0 - 10 - 25 - 50 - 100 - 250 - 500	1	
<b>Copper</b>				
COIS-011-001	0-300 mg/l (ppm)	0 - 10 - 30 - 100 - 300	1	
<b>Peracetic acid</b>				
PAIS-011-001	0-500 mg/l (ppm)	0 - 100 - 150 - 200 - 250 - 300 - 400 - 500	1	
PAIS-012-001	0-2000 mg/l (ppm)	0 - 500 - 1000 - 1500 - 2000	1	
<b>Ascorbic acid</b>				
AAIS-011-001	0-2000 mg/l (ppm)	0 - 50 - 100 - 200 - 300 - 500 - 700 - 1000 - 2000	1	
<b>Fluoride</b>				
FLIS-011-001	0-100 mg/L (ppm)	0 - 10 - 25 - 50 - 100	1	
<b>Phosphate</b>				
PHIS-011-001	0-500 mg/l (ppm)	0 - 3 - 10 - 25 - 50 - 100 - 250 - 500	1	

**BLUETOOTH 4.2****FREE CLOUD SPACE****IP68 WATERPROOF****FIXED BUT CHANGEABLE CUVETTE****11 PARAMETERS****PoolLAB 1.0**<sup>®</sup>WATER TESTING  
MADE IN GERMANY**CHLORINE** (Free / Combined / Total)

pH-value

ALCALINITY

CYANURIC ACID

ACTIVE OXYGEN

BROMINE

CHLORINE DIOXIDE

OZONE

HYDROGEN PEROXIDE

CALCIUM HARDNESS

TOTAL HARDNESS



### PoolLab 1.0 photometer

Basic Kit PoolLab 1.0 (POLP-BAK-001) includes: 1 Transparent carrying case, 1 PoolLab 1.0 with Bluetooth 4.0 IP68 waterproof, 1 Light shield, 1 Plastic stirring rod, 3 AAAbatteries, 1 manual, Free access to PoolLab software, Free access to PoolLab app, Free access to PoolLab cloud.

For measurement of following parameters: pH [6.5 - 8.4], Chlorine (free/combined/total) [0.00 - 6.00 mg/l], Alkalinity (Acid Capacity) [0 - 300 mg/l], Cyanuric Acid (Stabilizer) [0 - 160 mg/l], Active Oxygen (MPS)\* [0.0 - 30.0 mg/l], Bromine\*\* [0.0 - 13.5 mg/l], Chlorine Dioxide\*\* [0.0 - 1.4 mg/l], Ozone\*\* [0.0 - 4.0 mg/l],

Hydrogen Peroxide\* [0.0 - 2.9 mg/l], Hardness (total, calcium)\* [0-500 mg/l].

Initial reagent pack (Photometer grade): 20 tablets Phenol Red, 20 tablets DPD N° 1, 10 tablets DPD N° 3, 10 tablets Alkalinity-M, 10 tablets CYA-Test. Glycine reagent tablets are not included in the basic kit. Compatible with PRLR.

\*requires reagent tablets not included in basic kit

\*\*requires Glycine reagent tablets if chlorine is present.

reference	description	pcs/pack	price/pack
POLP-BAK-001	PoolLab 1.0 photometer. Basic Kit	1	
Accessories and spare parts			
POLP-AVI-001	replacement vial	1	
POLP-ASR-001	plastic stirring rod	1	
POLP-ALS-001	rubber light shield	1	
POLP-ACC-001	PoolLab carrying case	1	
Reagents			
POLP-RRF-001	initial reagent pack refill in a carton box with hanger hole to hang	1	

### PrimeLab 1.0 Multitest photometer

PrimeLab 1.0 Multitest photometer can offer more than 130 different methods, such as turbidity, COD and even a quantitative and certified method for legionella measurement in 1 hour, in a single model. Compose your individual PrimeLab. The user can choose and pay for only those parameter-methods he needs whilst having the option to always activate more parameters at any later time by entering a code on software and/or App and downloading it via Bluetooth 4.2. The basic kit must be complemented with at least 1 method and its correspondent reagents for being functional. Basic kit PrimeLab Multitest Photometer 1.0 for self-configuration (PRLP-BSK-001) includes: 1 plastic case, 1 PrimeLab 1.0 Multitest photometer, 4 glass vials of 24mm / 10ml, 1 light shield, 1 stirring rod, 1 syringe of 10ml, 1 cleaning brush, 1 Bluetooth USB dongle, 1 CD with PrimeLab software (Windows), 4 AAA batteries and 1 interchangeable power supply 110V/230V. No pre-installed methods included.

reference	description	pcs/pack	price/pack
PRLP-BKE-001	PrimeLab 1.0 Multitest photometer. Basic kit for self-configuration	1	

### Methods for PrimeLab 1.0 Multitest photometer

65 individual methods of common use out of 130 parameters available to add to the PrimeLab 1.0 Multitest photometer.

reference	description	pcs/pack	price/pack
PRLM-001-001	method ID 01 / Active oxygen (0 - 40 mg/l) / 0.1 mg/l	1	
PRLM-002-001	method ID 02 / Ammonia (LR) (0 - 1 mg/l) / 0.01 mg/l	1	
PRLM-004-001	method ID 04 / Aluminium (0 - 0.3 mg/l) / 0.01 mg/l	1	
PRLM-005-001	method ID 05 / Alkalinity-M (5 - 200 mg/l) / 1 mg/l	1	
PRLM-006-001	method ID 06 / Alkalinity-P (5 - 300 mg/l) / 1 mg/l	1	
PRLM-007-001	method ID 07 / Boron (0 - 2 mg/l) / 0.1 mg/l	1	
PRLM-008-001	method ID 08 / Bromine (0 - 18 mg/l) / 0.01 mg/l	1	
PRLM-010-001	method ID 10 / Chloride (0.5 - 25 mg/l) / 0.1 mg/l	1	
PRLM-011-001	method ID 11 / Chlorine (free-combined-total) (0.00 - 8.00 mg/l) / 0.1 mg/l	1	
PRLM-014-001	method ID 14 / Chlorine (HR) (5 - 200 mg/l) / 1 mg/l	1	
PRLM-016-001	method ID 16 / Chlorine dioxide (0 - 1.5 mg/l) / 0.01 mg/l	1	
PRLM-017-001	method ID 17 / COD (HR) (0 - 15000 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB	1	
PRLM-018-001	method ID 18 / Copper (0 - 5 mg/l) / 0.01 mg/l	1	
PRLM-020-001	method ID 20 / Cyanuric acid (2 - 160 mg/l) / 1 mg/l	1	
PRLM-021-001	method ID 21 / DEHA (20 - 1000 mg/l) / 10 mg/l	1	
PRLM-023-001	method ID 23 / Hydrazine (5 - 600 µg/l) / 1 µg/l	1	
PRLM-024-001	method ID 24 / Hydrogen peroxide (LR) (0 - 3.8 mg/l) / 0.01 mg/l	1	

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reference	description	pcs/pack	price/pack
PRLM-025-001	method ID 25 / Hydrogen peroxide (HR) (0 - 200 mg/l) / 1 mg/l	1	
PRLM-027-001	method ID 27 / Iodine (0 - 28 mg/l) / 0.01 mg/l	1	
PRLM-028-001	method ID 28 / Iron (LR) (0 - 1 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm	1	
PRLM-029-001	method ID 29 / Iron (MR) (0 - 10 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm	1	
PRLM-030-001	method ID 30 / Iron (HR) (0 - 30 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm	1	
PRLM-031-001	method ID 31 / Manganese (0.2 - 5 mg/l) / 0.1 mg/l	1	
PRLM-033-001	method ID 33 / Molybdate (HR) (5 - 200 mg/l) / 0.1 mg/l	1	
PRLM-034-001	method ID 34 / Nitrate (0.00 - 11.00 mg/l) / 0.1 mg/l	1	
PRLM-035-001	method ID 35 / Nitrite (LR) (0 - 0.5 mg/l) / 0.01 mg/l	1	
PRLM-037-001	method ID 37 / Ozone (0 - 5.4 mg/l) / 0.01 mg/l	1	
PRLM-038-001	method ID 38 / pH (MR) (6.50 - 8.40) / 0.01	1	
PRLM-041-001	method ID 41 / pH-Universal (5 - 11) / 0.1	1	
PRLM-042-001	method ID 42 / pH-Universal (4 - 11) / 0.1	1	
PRLM-044-001	method ID 44 / Phosphate (LR) (0 - 4 mg/l) / 0.01 mg/l	1	
PRLM-046-001	method ID 46 / Phosphate (HR) (0 - 80 mg/l) / 0.1 mg/l	1	
PRLM-048-001	method ID 48 / Potassium (0.7 - 12 mg/l) / 0.1 mg/l	1	
PRLM-049-001	method ID 49 / Silica (LR) (0 - 5 mg/l) / 0.01 mg/l	1	
PRLM-050-001	method ID 50 / Silica (HR) (0 - 100 mg/l) / 1 mg/l	1	
PRLM-051-001	method ID 51 / Sodium Hypochlorite (0.2 - 40 %) / 0.1 %. Requires: PRLA-CUP-001	1	
PRLM-052-001	method ID 52 / Sulfide (0.04 - 0.5 mg/l) / 0.01 mg/l	1	
PRLM-053-001	method ID 53 / Sulfite (LR) (0 - 10 mg/l) / 0.1 mg/l	1	
PRLM-054-001	method ID 54 / Sulfate (5 - 100 mg/l) / 1 mg/l	1	
PRLM-PTH-001	method ID 56/57 / Hardness total (LR/HR) (2 (20) - 50 (500) mg/l) / 1 mg/l	1	
PRLM-059-001	method ID 59 / Turbidity-FTU (20 - 1000 mg/l (FAU)) / 1 mg/l	1	
PRLM-062-001	method ID 62 / Zinc (0 - 1 mg/l) / 0.01 mg/l	1	
PRLM-072-001	method ID 72 / Fluoride (0 - 2 mg/l) / 0.01 mg/l	1	
PRLM-078-001	method ID 78 / Hardness Calcium (0 - 500 mg/l) / 1 mg/l	1	
PRLM-079-001	method ID 79 / COD (LR) (0 - 150 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB	1	
PRLM-080-001	method ID 80 / COD (MR) (0 - 1500 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB	1	
PRLM-081-001	method ID 81 / Suspended solids (0 - 750 mg/l) / 1 mg/l	1	
PRLM-082-001	method ID 82 / DBNPA (0 - 13 mg/l) / 0.01 mg/l	1	
PRLM-083-001	method ID 83 / QAC (Quaternary Ammonium Compounds) (25 - 150 mg/l) / 1 mg/l	1	
PRLM-087-001	method ID 87 / Phosphonate (0 - 20 mg/l) / 0.01 mg/l	1	
PRLM-090-001	method Nickel (HR) (0 - 7 mg/l) / 0.1 mg/l	1	
PRLM-091-001	method ID 91 / Tannic acid (0 - 150 mg/l) / 0.1 mg/l	1	
PRLM-093-001	method ID 93 / Magnesium (0 - 100 mg/l) / 1 mg/l	1	
PRLM-094-001	method ID 94 / Chromium VI (0 - 2.2 mg/l) / 0.01 mg/l	1	
PRLM-096-001	method ID 96 / Molybdate (LR) (0 - 15 mg/l) / 0.01 mg/l	1	
PRLM-097-001	method ID 97 / Nitrite (HR) (0 - 1500 mg/l) / 1 mg/l	1	
PRLM-105-001	method ID 105 / Sulfite (HR) (0 - 300 mg/l) / 0.1 mg/l	1	
PRLM-107-001	method ID 107 / Colour (15 - 500 mg/l) / 1 mg/l. Requires: filter set 0.45µm	1	
PRLM-112-001	method ID 112 / Turbidity-NTU (0 - 1100 mg/l (NTU)) / 0.01 mg/l. Requires: PRLT-TRB-001	1	
PRLM-124-001	method ID 124 / Chloride (0 - 100 mg/l) / 0.1 mg/l	1	
PRLM-147-001	method ID 147 / Legionella (60-1000000 cfu/l) / 1 cfu/l. Requires: PRL	1	
PRLM-151-001	method ID 151 / Nitrogen Total (LR) (0.5 - 25 mg/l) / 0.1 mg/l	1	
PRLM-152-001	method ID 152 / Nitrogen total (HR) (5 - 150 mg/l) / 1 mg/l	1	
PRLM-155-001	method ID 155 / Ammonia (HR) (1 - 50 mg/l) / 0.1 mg/l. Requires: PRLA-LVA-001	1	

Information to auto-configure the PrimeLab Multitest 1.0 photometer, with all the reagents and accessories that are required for the selected methods

item	parameter description	range	resolution	ref. reagent	accessories
PRLM-001-001	ID 01 / Active oxygen	0 -40 mg/l	0.1 mg/l	PRLR-RD4-050	
PRLM-005-001	ID 05 / Alkalinity-M	5 - 200 mg/l	1 mg/l	PRLR-005-050	
PRLM-006-001	ID 06 / Alkalinity-P	5 - 300 mg/l	1 mg/l	PRLR-006-050	
PRLM-004-001	ID 04 / Aluminium	0 - 0.3 mg/l	0.01 mg/l	PRLR-041-050 + PRLR-042-050	
PRLM-002-001	ID 02 / Ammonia (LR)	0 - 1 mg/l	0.01 mg/l	PRLR-021-050 + PRLR-022-050	
PRLM-155-001	ID 155 / Ammonia (HR)	1 - 50 mg/l	0.1 mg/l	PRLR-155-050	PRLA-LVA-001
PRLM-007-001	ID 07 / Boron	0 - 2 mg/l	0.1 mg/l	PRLR-071-050 + PRLR-072-050	
PRLM-008-001	ID 08 / Bromine	0 - 18 mg/l	0.01 mg/l	PRLR-RD1-050 + PRLR-HGC-050	
PRLM-010-001	ID 10 / Chloride	0.5 - 25 mg/l	0.1 mg/l	PRLR-101-050 + PRLR-102-050	
PRLM-124-001	ID 124 / Chloride	0 - 100 mg/l	0.1 mg/l	PRLR-241-065 + PRLR-242-065	
PRLM-011-001	ID 11 / Chlorine (free-combined-total)	0.00 - 8.00 mg/l	0.1 mg/l	PRLR-RD1-050 + PRLR-RD3-050	
PRLM-014-001	ID 14 / Chlorine (HR)	5 - 200 mg/l	1 mg/l	PRLR-014-050 + PRLR-AGP-050	
PRLM-016-001	ID 16 / Chlorine dioxide	0 - 15 mg/l	0.01 mg/l	PRLR-RD1-050 + PRLR-HGC-050	
PRLM-079-001	ID 79 / COD (LR)	0 - 150 mg/l	1 mg/l	PHTR-DQL-150	PRLA-LVA-001 + CODB
PRLM-080-001	ID 80 / COD (MR)	0 - 1500 mg/l	1 mg/l	PHTR-DQM-150	PRLA-LVA-001 + CODB
PRLM-017-001	ID 17 / COD (HR)	0 - 15000 mg/l	1 mg/l	PHTR-DQH-150	PRLA-LVA-001 + CODB
PRLM-107-001	ID 107 / Colour	15 - 500 mg/l	1 mg/l	-	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-018-001	ID 18 / Copper	0 - 5 mg/l	0.01 mg/l	PRLR-181-050 + PRLR-182-050	
PRLM-094-001	ID 94 / Chromium VI	0 - 2.2 mg/l	0.01 mg/l	PRLR-941-050 + PRLR-942-050	
PRLM-020-001	ID 20 / Cyanuric acid	2 - 160 mg/l	1 mg/l	PRLR-020-050	
PRLM-082-001	ID 82 / DBNPA	0 - 13 mg/l	0.01 mg/l	PRLR-RD1-050 + PRLR-RD3-050	
PRLM-021-001	ID 21 / DEHA (diethylhydroxylamine)	20 - 1000 mg/l	10 mg/l	PRLR-211-270 + PRLR-212-065	
PRLM-072-001	ID 72 / Fluoride	0 - 2 mg/l	0.01 mg/l	PRLR-721-032 + PRLR-722-162	
PRLM-078-001	ID 78 / Hardness Calcium	0 - 500 mg/l	1 mg/l	PRLR-781-050 + PRLR-782-050	
PRLM-PTH-001	ID 56/57 / Hardness total (LR/HR)	2 (20) - 50 (500) mg/l	1 mg/l	PRLR-PTH-050	
PRLM-023-001	ID 23 / Hydrazine	5 - 600 µg/l	1 µg/l	PRLR-023-162	
PRLM-024-001	ID 24 / Hydrogen peroxide (LR)	0 - 3.8 mg/l	1 mg/l	PRLR-024-050	
PRLM-025-001	ID 25 / Hydrogen peroxide (HR)	0 - 200 mg/l	1 mg/l	PRLR-251-541 + PRLR-252-541	
PRLM-027-001	ID 27 / Iodine	0 - 28 mg/l	0.01 mg/l	PRLR-RD1-050	
PRLM-028-001	ID 28 / Iron (LR)	0 - 1 mg/l	0.01 mg/l	PRLR-028-050	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-029-001	ID 29 / Iron (MR)	0 - 10 mg/l	0.01 mg/l	PRLR-029-285	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-030-001	ID 30 / Iron (HR)	0 - 30 mg/l	0.01 mg/l	PRLR-301-162 + PRLR-302-375	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-029-001	ID 29 / Hierro (MR)	0 - 10 mg/l	0.01 mg/l	PRLR-029-285	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-030-001	ID 30 / Hierro (HR)	0 - 30 mg/l	0.01 mg/l	PRLR-301-162 + PRLR-302-375	PRLA-SYL-001 + PRLA-LFS-001 + PRLA-F45-050
PRLM-051-001	ID 51 / Hipoclorito de sodio	0.2 - 40 %	0.1 %	PRLR-014-050 + PRLR-AGP-050	PRLA-CUP-001
PRLM-147-001	ID 147 / Legionella	60-1000000 cfu/l	1 cfu/l	PRLR-147-050	Basic Kit (manual): PRLM-MPR-001 + PRLM-CBA-001 + PRLM-1FK-001 Professional kit: PRLM-PRE-001 + PRLM-CBA-001 + PRLM-ELF-010 + PRLM-PRE-001 + GFFC-047-100 + PRLM-F47-100 Optional for reagent transport: PRLM-FRD-001
PRLM-093-001	ID 93 / Magnesium	0 - 100 mg/l	1 mg/l	PRLR-093-050	
PRLM-031-001	ID 31 / Manganese	0.2 - 5 mg/l	0.1 mg/l	PRLR-311-050 + PRLR-312-050	
PRLM-096-001	ID 96 / Molybdate (LR)	0 - 15 mg/l	0.01 mg/l	PRLR-961-050 + PRLR-962-050	
PRLM-033-001	ID 33 / Molybdate (HR)	5 - 200 mg/l	0.1 mg/l	PRLR-033-162	
PRLM-090-001	ID 90 / Nickel (HR)	0 - 7 mg/l	0.1 mg/l	PRLR-901-050 + PRLR-902-050	
PRLM-034-001	ID 34 / Nitrate	0.00 - 11.00 mg/l	0.1 mg/l	PRLR-341-285 + PRLR-342-162	
PRLM-035-001	ID 35 / Nitrite (LR)	0 - 0.5 mg/l	0.01 mg/l	PRLR-035-050	
PRLM-097-001	ID 97 / Nitrite (HR)	0 - 1500 mg/l	1 mg/l	PRLR-971-050 + PRLR-972-050	
PRLM-151-001	ID 151 / Nitrogen Total (LR)	0.5 - 25 mg/l	0.1 mg/l	PRLR-151-050	PRLA-LVA-001 + CODB

item	parameter description	range	resolution	ref. reagent	accessories
PRLM-152-001	ID 152 / Nitrogen total (HR)	5 - 150 mg/l	1 mg/l	PRLR-152-050	PRLA-LVA-001 + CODB
PRLM-037-001	ID 37 / Ozone	0 - 5.4 mg/l	0.01 mg/l	PRLR-RD1-050 + PRLR-RD3-050 + PRLR-HGC-050	
PRLM-038-001	ID 38 / pH (MR)	6.50 - 8.40	0.01	PRLR-038-050	
PRLM-044-001	ID 44 / Phosphate (LR)	0 - 4 mg/l	0.01 mg/l	PRLR-441-050 + PRLR-442-050	
PRLM-046-001	ID 46 / Phosphate (HR)	0 - 80 mg/l	0.1 mg/l	PRLR-461-050 + PRLR-462-050	PRLA-SYL-001 + PRLA-LFS-001 + GFFC-025-100
PRLM-087-001	ID 87 / Phosphonate	0 - 20 mg/l	0.01 mg/l	PRLR-871-285 + PRLR-872-285 + PRLR-873-081 + PRLR-874-285	PRLA-SYL-001 + PRLA-LFS-001 + GFFC-025-100
PRLM-041-001	ID 41 / pH-Universal	5 - 11	0.1	PRLR-P41-050	
PRLM-042-001	ID 42 / pH-Universal	4 - 11	0.1	PRLR-P42-162	
PRLM-048-001	ID 48 / Potassium	0.7 - 12 mg/l	0.1 mg/l	PRLR-048-050	
PRLM-083-001	ID 83 / QAC (quat. Ammo. Comp.)	25 - 150 mg/l	1 mg/l	PRLR-083-050 + PRLR-AGP-050	
PRLM-049-001	ID 49 / Silica (LR)	0 - 5 mg/l	0.01 mg/l	PRLR-491-162 + PRLR-492-162 + PRLR-493-190	
PRLM-050-001	ID 50 / Silica (HR)	0 - 100 mg/l	1 mg/l	PRLR-501-142 + PRLR-502-241 + PRLR-503-142	
PRLM-051-001	ID 51 / Sodium Hypochlorite	0.2 - 40 %	0.1 %	PRLR-014-050 + PRLR-AGP-050	PRLA-CUP-001
PRLM-054-001	ID 54 / Sulfate	5 - 100 mg/l	1 mg/l	PRLR-054-050	
PRLM-052-001	ID 52 / Sulfide	0.04 - 0.5 mg/l	0.01 mg/l	PRLR-521-050 + PRLR-522-050	
PRLM-053-001	ID 53 / Sulfite (LR)	0 - 10 mg/l	0.1 mg/l	PRLR-053-050	
PRLM-105-001	ID 105 / Sulfite (HR)	0 - 300 mg/l	0.1 mg/l	PRLR-051-050 + PRLR-052-050	
PRLM-081-001	ID 81 / Suspended solids	0 - 750 mg/l	1 mg/l	-	
PRLM-091-001	ID 91 / Tannic acid	0 - 150 mg/l	0.1 mg/l	PRLR-911-065 + PRLR-912-125	
PRLM-112-001	ID 112 / Turbidity-NTU	0 - 1100 mg/l (NTU)	0.01 mg/l	-	PRLT-TRB-001
PRLM-059-001	ID 59 / Turbidity-FTU	20 - 1000 mg/l (FTU)	1 mg/l	-	
PRLM-062-001	ID 62 / Zinc	0 - 1 mg/l	0.01 mg/l	PRLR-062-050 + PRLR-RED-050	

### Reagents for PrimeLab Multitest Photometer 1.0 methods

Reagents for PrimeLab 1.0 Multitest and PoolLab 1.0 photometer methods in tablets, powder or liquid. Photometer grade

reference	description	n° tests / sales unit	price/pack	avg. price/pc
PRLR-021-050	Reagent ID 02 / Ammonia LR N°1 (0 - 1 mg/l), 50 tablets	50		
PRLR-022-050	Reagent ID 02 / Amoniaco LR N°2 (0 - 1 mg/l), 50 tablets	50		
PRLR-041-050	Reagent ID 04 / Aluminium N°1 (0 - 0.3 mg/l), 50 tablets	50		
PRLR-042-050	Reagent ID 04 / Aluminium N°2 (0 - 0.3 mg/l), 50 tablets	50		
PRLR-005-050	Reagent ID 05 / Alkalinity - M (5 - 200 mg/l), 50 tablets	50		
PRLR-006-050	Reagent ID 06 / Alkalinity - P (5 - 300 mg/l), 50 tablets	50		
PRLR-071-050	Reagent ID 07 / Boron N°1 (0 - 2 mg/l), 100 tablets	50		
PRLR-072-050	Reagent ID 07 / Boron N°2 (0 - 2 mg/l), 50 tablets	50		
PRLR-101-050	Reagent ID 10 / Chloride N°1 (0.5 - 25 mg/l), 50 tablets	50		
PRLR-102-050	Reagent ID 10 / Chloride N°2 (0.5 - 25 mg/l), 50 tablets	50		
PRLR-014-050	Reagent ID 14 / Chlorine HR (5 - 200 mg/l), 50 tablets	50		
PRLR-181-050	Reagent ID 18 / Copper N°1 (0 - 5 mg/l), 50 tablets	50		
PRLR-182-050	Reagent ID 18 / Copper N°2 (0 - 5 mg/l), 50 tablets	50		
PRLR-020-050	Reagent ID 20 / Cyanuric acid (2 - 160 mg/l), 50 tablets	50		
PRLR-211-270	Reagent ID 21 / Oxygen Scavenger N°1 (DEHA) (20 - 1000 mg/l), 65 ml liquid	270		
PRLR-212-065	Reagent ID 21 / Oxygen Scavenger N°2 (DEHA) (20 - 1000 mg/l), 65 ml liquid	65		
PRLR-023-162	Reagent ID 23 / Hydrazine (5 - 600 µg/l), 65 ml liquid	162		
PRLR-024-050	Reagent ID 24 / Hydrogen peroxide LR (0 - 3.8 mg/l), 50 tablets	50		
PRLR-251-541	Reagent ID 25 / Hydrogen peroxide HR N°1 (0 - 200 mg/l), 65 ml liquid	541		
PRLR-252-541	Reagent ID 25 / Hydrogen peroxide HR N°2 (0 - 200 mg/l), 65 ml liquid	541		
PRLR-028-050	Reagent ID 28 / Iron LR (0 - 1 mg/l), 50 tablets	50		
PRLR-029-285	Reagent ID 29 / Iron MR1 (0 - 10 mg/l), 20 g powder	285		
PRLR-301-162	Reagent ID 30 / Iron HR N°1 (0 - 30 mg/l), 65 ml liquid	162		
PRLR-302-375	Reagent ID 30 / Iron HR N°2 (0 - 30 mg/l), 30 ml liquid	375		
PRLR-311-050	Reagent ID 31 / Manganese N°1 (0.2 - 5 mg/l), 50 tablets	50		
PRLR-312-050	Reagent ID 31 / Manganese N°2 (0.2 - 5 mg/l), 50 tablets	50		
PRLR-033-162	Reagent ID 33 / Molybdate HR (0 - 1.5 mg/l), 65 ml liquid	162		

reference	description	n° tests / sales unit	price/-pack	avg. price/pc
PRLR-341-285	Reagent ID 34 / Nitrate N°1 (0.00 - 11.00 mg/l), 20 g powder	285		
PRLR-342-162	Reagent ID 34 / Nitrate N°2 (0.00 - 11.00 mg/l), 65 ml liquid	162		
PRLR-035-050	Reagent ID 35 / Nitrite LR (0 - 0.5 mg/l), 50 tablets	50		
PRLR-038-050	Reagent ID 38 / pH MR Phenol red (6.5 - 8.4), 50 tablets	50		
PRLR-P41-050	Reagent ID 41 / pH-Universal (5 - 11), 50 tablets	50		
PRLR-P42-162	Reagent ID 42 / pH-Universal (4 - 11), 65 ml liquid	162		
PRLR-441-050	Reagent ID 44 / Phosphate LR N°1 (0 - 4 mg/l), 100 tablets	50		
PRLR-442-050	Reagent ID 44 / Phosphate LR N°2 (0 - 4 mg/l), 50 tablets	50		
PRLR-461-050	Reagent ID 46 / Phosphate HR N°1 (0 - 80 mg/l), 100 tablets	50		
PRLR-462-050	Reagent ID 46 / Phosphate HR N°2 (0 - 80 mg/l), 50 tablets	50		
PRLR-048-050	Reagent ID 48 / Potassium (0.7 - 12 mg/l), 50 tablets	50		
PRLR-491-162	Reagent ID 49 / Silica LR N°1 (0 - 5 mg/l), 65 ml liquid	162		
PRLR-492-162	Reagent ID 49 / Silica LR N°2 (0 - 5 mg/l), 65 ml liquid	162		
PRLR-493-190	Reagent ID 49 / Silica LR N°3 (0 - 5 mg/l), 40 g powder	190		
PRLR-501-142	Reagent ID 50 / Silica HR (0 - 100 mg/l), 20 g powder	142		
PRLR-502-241	Reagent ID 50 / Silica HR (0 - 100 mg/l), 60 g powder	241		
PRLR-503-142	Reagent ID 50 / Silica HR (0 - 100 mg/l), 10 g powder	142		
PRLR-521-050	Reagent ID 52 / Sulfide N°1 (0.04 - 0.5 mg/l), 50 tablets	50		
PRLR-522-050	Reagent ID 52 / Sulfide N°2 (0.04 - 0.5 mg/l), 50 tablets	50		
PRLR-053-050	Reagent ID 53 / Sulfite LR (0 - 10 mg/l), 50 tablets	50		
PRLR-054-050	Reagent ID 54 / Sulfate (5 - 100 mg/l), 50 tablets	50		
PRLR-PTH-050	Reagent ID 56/57 / Hardness Total LR/HR (2 (20) - 50 (500) mg/l), 50 tablets	50		
PRLR-062-050	Reagent ID 62 / Copper / Zinc LR (0 - 1 mg/l), 50 tablets	50		
PRLR-721-032	Reagent ID 72 / Fluoruros N°1 (0 - 2 mg/l), 65 ml liquid	32		
PRLR-722-162	Reagent ID 72 / Fluoruros N°2 (0 - 2 mg/l), 65 ml liquid	162		
PRLR-781-050	Reagent ID 78 / Hardness Calcium N°1 (0 - 500 mg/l), 50 tablets	50		
PRLR-782-050	Reagent ID 78 / Hardness Calcium N°2 (0 - 500 mg/l), 50 tablets	50		
PRLR-083-050	Reagent ID 83 / QAC HR (25 - 150 mg/l), 50 tablets	50		
PRLR-871-285	Reagent ID 87 / Phosphonate N°1 (0 - 20 mg/l), 20 g powder	285		
PRLR-872-285	Reagent ID 87 / Phosphonate N°2 (0 - 20 mg/l), 20 g powder	285		
PRLR-873-081	Reagent ID 87 / Phosphonate N°3 (0 - 20 mg/l), 65 ml liquid	81		
PRLR-874-285	Reagent ID 87 / Phosphonate N°4 (0 - 20 mg/l), 20 g powder	285		
PRLR-901-050	Reagent ID 90 / Nickel HR N°1 (0 - 7 mg/l), 50 tablets	50		
PRLR-902-050	Reagent ID 90 / Nickel HR N°2 (0 - 7 mg/l), 50 tablets	50		
PRLR-911-065	Reagent ID 91 / Tannin N°1 (Tannic acid) (0 - 150 mg/l), 65 ml liquid	65		
PRLR-912-125	Reagent ID 91 / Tannin N°2 (Tannic acid) (0 - 150 mg/l), 30 ml liquid	125		
PRLR-093-050	Reagent ID 93 / Magnesium (0 - 100 mg/l), 50 tablets	50		
PRLR-941-050	Reagent ID 94 / Chromium N°1 (0 - 2.2 mg/l), 50 tablets	50		
PRLR-942-050	Reagent ID 94 / Chromium N°2 (0 - 2.2 mg/l), 50 tablets	50		
PRLR-961-050	Reagent ID 96 / Molybdate LR N°1 (0 - 15 mg/l), 50 tablets	50		
PRLR-962-050	Reagent ID 96 / Molybdate LR N°2 (0 - 15 mg/l), 50 tablets	50		
PRLR-971-050	Reagent ID 97 / Nitrite HR N°1 (0 - 1500 mg/l), 50 tablets	50		
PRLR-972-050	Reagent ID 97 / Nitrite HR N°2 (0 - 1500 mg/l), 50 tablets	50		
PRLR-051-050	Reagent ID 105 / Sulfite HR N°1 (0 - 300 mg/l), 50 tablets	50		
PRLR-052-050	Reagent ID 105 / Sulfite HR N°2 (0 - 300 mg/l), 50 tablets	50		
PRLR-241-065	Reagent ID 124 / Chloride N°1 (0 - 100 mg/l), 65 ml liquid	65		
PRLR-242-065	Reagent ID 124 / Chloride N°2 (0 - 100 mg/l), 65 ml liquid	65		
PRLR-151-050	Reagent ID 151 / Nitrogen Total LR kit (0.5 - 25 mg/l), Kit prepared vials and powder	50		
PRLR-152-050	Reagent ID 152 / Nitrogen Total HR kit (5 - 150 mg/l), Kit prepared vials and powder	50		
PRLR-155-050	Reagent ID 155 / Ammonia HR kit (1 - 50 mg/l), kit prepared vials and powder	50		
PRLR-AGP-050	Reagent Acidifying GP, 50 tablets	50		
PRLR-HGC-050	Reagent Glycine, 50 tablets	50		
PRLR-RD1-050	Reagent DPD N°1, 50 tablets	50		
PRLR-RD3-050	Reagent DPD N°3, 50 tablets	50		
PRLR-RD4-050	Reagent DPD N°4, 50 tablets	50		
PRLR-RED-050	Reagent EDTA, 50 tablets	50		

# PRIMELAB 1.0

## MULTITEST

### PHOTOMETER

#### PrimeLab 1.0 Multitest photometer

PrimeLab® 1.0 Multitest photometer is the worldwide only photometer using the JENCOLOR multispectral sensor, covering 400 visible wavelengths simultaneously.

By that, PrimeLab® needs only one model to offer more than 130 different parameter methods, including NTU turbidity and even a 1-hour quantitative and certified Legionella test. Many thousands of PrimeLabs are already used in different industries such as drinking water, waste water, boiler, cooling towers, laboratories, leisure (pool and spa), food industry, agriculture and many more.

PrimeLab® 1.0 Multitest photometer is self-calibrating and allows the download of factory calibration certificate through the application available for PC and Android.

PrimeLab uses reagent tablets Made in Germany, liquid and powder reagents Made in UK and patented Legionella reagents Made in Spain.

Compose your individual PrimeLab®: The user can choose and pay for only those parameter-methods he needs whilst having the option to always activate more parameter at any later time by entering a code on software and/or App.

The PrimeLab® 1.0 Multitest photometer comes with a free of charge but powerful software and app, both cloud connected for permanent synchronization (if wished).

See more at <http://primelab.org/>

1 hour  
Legionella test!



Accurate and reliable water testing

More than 130 methods

1 single JENCOLOR Sensor

Fast Bluetooth® connection

Powerful software



WATER TESTING  
MADE IN GERMANY



Sensor/Optics by



### Accessories for PrimeLab 1.0 Multitest photometer

Accessories and spare parts for PrimeLab 1.0 Multitest photometer

reference	description	pcs/pack	price/pack
<b>Accessories</b>			
PRLA-LVA-001	adapter for 16 mm prepared vials	1	
LENS-100-100	lens and optical components cleaning tissue, 100x150 mm	100	
<b>Filter set</b>			
PRLA-SYL-001	luer lock syringe (20ml) with adapter for filter holder	1	
PRLA-LFS-001	filter holder for PRLA-SYL-001 luer lock syringe	1	
GFFC-025-100	filter GFFC (1.2 $\mu$ m), $\varnothing$ 25 mm	100	
PRLA-F45-050	$\varnothing$ 25mm 0.45 $\mu$ m filter	50	
<b>Spare parts</b>			
PRLA-VIA-010	set of $\varnothing$ 24mm and 10ml round glass vials with caps / light shield integrated in cap	10	
PRLA-CUP-001	100 ml plastic measuring cup	1	
SYRI-010-010	10 ml syringes with luer connection	10	
PRLA-SRO-010	set of 10.5 cm plastic stirring rods	10	
PRLA-CBR-010	set of 9.5 cm cleaning brushes	10	
PRLA-LSH-001	light shield for 16mm (10ml) standard vials (PRLP-AVA-001)	1	
PRLA-BLD-001	Bluetooth 4.2 USB dongle (to enable Bluetooth on any Windows-PC)	1	
PRLA-DCA-001	PrimeLab DC adapter with interchangeable international plugs	1	

### Reagents for COD measurement by photometry

Prepared vials of 16mm for COD determination, compatible with PrimeLab 1.0 Multitest photometer of WATER-ID, and also with photometers from other companies like LOVIBOND, WTW, MACHEREY-NAGEL, MERCK, HANNA, AQUALYTIC, PALIN, BIOCHROM and any manufacturer using 16 mm vials

reference	description	pcs/pack	price/pack	average price/pc
PHTR-DQL-150	COD (LR) 0 - 150 mg/l prepared vials	150		
PHTR-DQM-150	COD (MR) 0 - 1500 mg/l prepared vials	150		
PHTR-DQH-150	COD (HR) 0 - 15000 mg/l prepared vials	150		

### Digital dry bath LBX CODB150 ( +5 to 150°C)

Dry heating system by metal blocks (7.6 x 9.6 cm). Temperature adjustable up to 150°C (accuracy  $\pm 0.2^\circ\text{C}$  (single position)/ $0.5^\circ\text{C}$  (dual position)). Function mode: Continuous with alarm timer (1' - 99h 59'). LED display for temperature and time. 230v/50Hz. Insulation rating IP21 (DIN EN60529). Connection for external temperature sensor DIN 12878. Warranty 2 years. No block included. Suitable for COD digestion (148°C), TOC determination (120°C), Chromium-total determination (100°C), Phosphate-total determination (100°C) and Nitrogen-total determination (100°C)

reference	description	pcs/pack	price/pack
CODB-TC1-001	dry bath, single position (15.2 x 19 x 8.6 cm), 5K/min, 165W	1	
CODB-TC2-001	dry bath, dual position (15.2 x 30 x 8.6 cm), 4.5K/min, 250W	1	
CODB-B70-001	block for 20 x 12mm or 13mm test tubes	1	
CODB-B71-001	block for 12 x 15mm or 16mm test tubes	1	

WATER-ID.



METRIA



lbx



Add parameters to your PrimeLab 1.0 Multitest photometer according to the different types of sample to analyse.

Reference	PARAMETERS Parameter description	SAMPLE TYPE				
		Drinking water	Potable water	Waste water	Boiler water	Cooling tower
PRLM-005-001	ID 05 / Alkalinity-M					
PRLM-006-001	ID 06 / Alkalinity-P					
PRLM-004-001	ID 04 / Aluminium					
PRLM-002-001	ID 02 / Ammonia (LR)					
PRLM-008-001	ID 08 / Bromine					
PRLM-078-001	ID 78 / Calcium hardness					
PRLM-010-001	ID 10 / Chloride					
PRLM-011-001	ID 11 / Chlorine (free-combined-total)					
PRLM-014-001	ID 14 / Chlorine (HR)					
PRLM-016-001	ID 16 / Chlorine dioxide					
PRLM-094-001	ID 94 / Chromium VI					
PRLM-079-001	ID 79 / COD (LR)					
PRLM-080-001	ID 80 / COD (MR)					
PRLM-017-001	ID 17 / COD (HR)					
PRLM-107-001	ID 107 / Colour					
PRLM-018-001	ID 18 / Copper					
PRLM-021-001	ID 21 / DEHA					
PRLM-072-001	ID 72 / Fluoride					
PRLM-PTH-001	ID 56/57 / Hardness-total (LR/HR)					
PRLM-023-001	ID 23 / Hydrazine					
PRLM-025-001	ID 25 / Hydrogen peroxide (HR)					
PRLM-027-001	ID 27 / Iodine					
PRLM-028-001	ID 28 / Iron (LR)					
PRLM-030-001	ID 30 / Iron (HR)					
PRLM-147-001	ID 147 / Legionella					
PRLM-031-001	ID 31 / Manganese (LR)					
PRLM-096-001	ID 96 / Molybdate (LR)					
PRLM-033-001	ID 33 / Molybdate (HR)					
PRLM-090-001	ID 90 / Nickel (HR)					
PRLM-034-001	ID 34 / Nitrate					
PRLM-097-001	ID 97 / Nitrite (HR)					
PRLM-037-001	ID 37 / Ozone					
PRLM-038-001	ID 38 / pH (MR) (6.5-8.4)					
PRLM-042-001	ID 42 / pH-Universal (4-11)					
PRLM-041-001	ID 41 / pH-Universal (5-11)					
PRLM-044-001	ID 44 / Phosphate (LR)					
PRLM-046-001	ID 46 / Phosphate (HR)					
PRLM-087-001	ID 87 / Phosphonate					
PRLM-048-001	ID 48 / Potassium					
PRLM-049-001	ID 49 / Silica (LR)					
PRLM-050-001	ID 50 / Silica (HR)					
PRLM-051-001	ID 51 / Sodium hypochlorite					
PRLM-054-001	ID 54 / Sulfate					
PRLM-053-001	ID 53 / Sulfite (LR)					
PRLM-105-001	ID 105 / Sulfite (HR)					
PRLM-052-001	ID 52 / Sulfide					
PRLM-091-001	ID 91 / Tannic acid					
PRLM-112-001	ID 112 / Turbidity-NTU					
PRLM-062-001	ID 62 / Zinc					

INNOVATIVE IMMUNE-MAGNETIC METHOD FOR THE DETECTION OF LIVING LEGIONELLA spp

# PrimeLab legipid

LEGIONELLA FAST DETECTION

RESULTS IN JUST 1 HOUR

QUANTITATIVE 60-10<sup>6</sup> CFU/L

CERTIFIED AGAINST CULTURE

LIVING LEGIONELLA spp DETECTED



### Accessories for Turbidity measurement in PrimeLab 1.0 Multitest photometer

Adapter-kit for ID 112 Turbidity-NTU measurement PRLT-TRB-001 includes 1 case, 1 nephelometric measurement adapter, batteries, vial, set of 3 turbidity reference standards (10ml) of 0.5 NTU, 10 NTU and 1000 NTU, 1 variable volume 1-10ml, pipette tips and method PRLM-112-001

reference	description	pcs/pack	price/pack
PRLT-TRB-001	adapter-kit for ID 112 Turbidity-NTU measurement	1	
EASD-10K-001	variable volume micropipettes, EASY 40+ , 1 - 10ml	1	
TIPD-10K-010	pipette tips Macro-Line, 1 - 10 ml, for EASD-10K-001 micropipette	10	
PRLT-TRS-001	3 x 10 ml reference standards 0.5 NTU, 10 NTU, 1000 NTU	1	

### Accessories for Legionella measurement in PrimeLab 1.0 Multitest photometer

PrimeLab 1.0 Multitest photometer requires a filtration kit (manual o professional) for sample filtration, an agitation kit and a Legipid reagent kit for every test of Legionella measurement.

The one-use manual filtration kit PRL-1FK-001 includes 1 elution flask of 60 ml, 1 glass fiber syringe filter with pore, 1 self-contained micro-filter, 1 elution syringe of 10 ml with luer lock connector (2 units), 1 filtration syringe of 50 ml with luer lock, 1 stopper and 2 filter end stopper.

The professional filtration equipment PRL-PR-001 includes 1 vacuum pump, 1 filtration funnel, 1 glass collect bottle of 1000 ml, 1 tweezers, 1 scissor and 10 elution flask.

The Multitest MP4 agitator kit PRL-MPK-001 includes 1 automatic agitator for 20 MHCb cuvettes, 1 multitest agitator, 5 insertable holder for MHCb cuvettes, 5 magnetic holder for MHCb cuvettes, 5 Soportes de caja, 1 table cloth for avoiding magnetic interferences among several MP4 working in parallel and 1 platform.

The Legipid reagent kit to perform 9 tests and 1 control PRL-L09-001 includes 1 bottle "L0 Diluent" of 110 ml, 10 single-doses "L1 Capture Reagent" of 1 ml, 1 bottle "L2 Washing Buffer" of 200ml, 10 single-doses "L3 Enzyme-labelled anti-Legionella" of 1 ml, 5 tetra doses "L4 Enzyme-co-substrates" of 5 ml, 1 bottle "L5 Stopping reagent" of 2 ml, 5 disposable pipettes, 10 CB cuvettes of 1 ml and 10 MHCb cuvettes of 9 ml. The Legipid reagent kit to perform 39 test and 1 control PRL-L39-001 includes 1 bottle "L0 Diluent" of 420 ml, 1 bottle "L1 Capture Reagent" of 42 ml, 1 bottle "L2 Washing Buffer" of 750ml, 1 bottle "L3 Enzyme-labelled anti-Legionella" of 42 ml, 15 tetra doses "L4 Enzyme-co-substrates" de 5 ml, 1 bottle "L5 Stopping reagent" of 4.4 ml, 40 CB cuvettes of 1 ml and 40 MHCb cuvettes of 9 ml.

The Legipid reagent kit to perform 99 test and 1 control PRL-L99-001 includes 1 bottle "L0 Diluent" of 1050 ml, 1 bottle "L1 Capture Reagent" of 105 ml, 2 bottle "L2 Washing Buffer" of 940 ml, 1 bottle "L3 Enzyme-labelled anti-Legionella" of 105 ml, 35 tetra doses "L4 Enzyme-co-substrates" of 5 ml, 1 bottle "L5 Stopping reagent" of 11 ml, 100 CB cuvettes of 1 ml and 100 MHCb cuvettes of 9 ml. Delivery 1 week

reference	description	pcs/pack	price/pack
PRL-1FK-001	one-use manual filtration kit	1	
PRL-PR-001	professional filtration equipment	1	
PRL-MPK-001	Multitest MP4 agitator kit	1	
PRL-L09-001	Legipid reagent kit to perform 9 tests and 1 control	1	
PRL-L39-001	Legipid reagent kit to perform 39 test and 1 control	1	
PRL-L99-001	Legipid reagent kit to perform 99 test and 1 control	1	

#### Accessories and spare parts

PRL-MPR-001	rack with magnet to hold 4 MHCb of 9 ml	1	
PRL-TBC-001	table cloth for MP4 to avoid magnet interferences between several MP4 used parallel	1	
EASD-1KE-001	micropipettes EASY 40 Elite, 100 - 1000 µl	1	
TIPD-1K0-010	Pipette tip 100 - 1000 µl, Premium Line	10	
TIPD-1K0-096	Pipette tip 100 - 1000 µl, Premium Line	96	
PRL-CBA-001	adapter for 1 ml CB cuvettes	1	
PRL-ELF-010	60 ml elution flask	10	
PRL-ELF-100	60 ml elution flask	100	
GFFC-047-100	filter GFFC (1.2 µm), Ø47 mm	100	
PRL-F47-100	Ø 47mm and 0.40µm polycarbonate filters for professional filtration kit (PRL-PR-001)	100	
PRL-FRD-001	portable fridge 4 L 12V / 220V for Legipid reagents. Chills up to 25 °C below room temperature	1	

#### WATER-I.D.



#### WATER-I.D.





## METRIA



## Litmus paper strips



Basic indicator paper when a precise pH value is not needed. Blue litmus paper turns to red when a solution goes from basic to acidic while red litmus paper turns to blue when a solution goes from acidic to basic. Neutral litmus paper turns to blue when going to basic and red when going to acid. Each plastic box contains 10 booklets with 20 paper strips each

reference	description	pcs/pack	price/pack
LSPH-001-001	litmus blue indicator paper in strips	1	
LSPH-002-001	litmus red indicator paper in strips	1	
LSPH-003-001	litmus neutral indicator paper in strips	1	

## METRIA



## Universal pH test papers, roll

Universal pH test paper in rolls 5 m long and 7 mm wide. Each roll is stored in a plastic dispenser with a printed color scale with pH intervals of 1

reference	description	pcs/pack	price/pack	average price/pc
URPH-001-001	pH 1 - 11 paper roll	1		
URPH-002-001	pH 1 - 14 paper roll	1		
10 units "Saving package"				
URPH-001-010	pH 1 - 11 paper roll	10		
URPH-002-010	pH 1 - 14 paper roll	10		
50 units "Saving package"				
URPH-001-050	pH 1 - 11 paper roll	50		
URPH-002-050	pH 1 - 14 paper roll	50		

## METRIA



## pH indicator strips with 4 pads

Strips made of vinyle with 4 indicator pads prepared with a non-bleed system, therefore the resultant colour change will remain far longer and readable until the pads are dry, even with a highly alkaline solution. These strips provide an accurate method of measuring the pH of a solution and produce high quality results each time. 100 strips per pack

reference	description	pcs/pack	price/pack	average price/pc
STPH-311-001	pH 0.0 - pH 14.0, Interval: 1 pH	1		
STPH-312-001	pH 4.0 - pH 10.0, Interval: 0.5 pH	1		
STPH-313-001	pH 7.0 - pH 14, Interval: 0.5 pH	1		
10 units "Saving package"				
STPH-311-010	pH 0.0 - pH 14.0, Interval: 1 pH	10		
STPH-312-010	pH 4.0 - pH 10.0, Interval: 0.5 pH	10		
STPH-313-010	pH 7.0 - pH 14, Interval: 0.5 pH	10		

## METRIA



## Universal pH test papers, strips

Each plastic box contains 200 paper strips and a printed color scale for comparison

reference	type	pcs/pack	price/pack
CSPH-001-001	pH 1 - 11, Interval: 1 pH	1	
CSPH-002-001	pH 1 - 14, Interval: 1 pH	1	
CSPH-003-001	pH 1.0 - pH 3.5, Interval: 0.5 pH	1	
CSPH-004-001	pH 3.6 - pH 5.1, Interval: 0.3 pH	1	
CSPH-005-001	pH 5.2 - pH 6.7, Interval: 0.3 pH	1	
CSPH-006-001	pH 6.8 - pH 8.3, Interval: 0.3 pH	1	
CSPH-007-001	pH 8.4 - pH 10.0, Interval: 0.3 pH	1	
CSPH-008-001	pH 4.0 - pH 8.0, Interval: 0.5 pH	1	

### Wine pH indicator strips

These indicator strips are specific for testing the pH of the juice prior to fermentation during wine production. 50 strips per pack

reference	range	interval	pcs/pack	price/pack
WSPH-001-001	pH 2.8 - 4.4	pH 2.8 - 3.2 - 3.6 - 4.0 - 4.4	1	

### Pocket pH meter

Simply and compact pH meter. pH range: 0 .. 14 pH, precision:  $\pm 0.1$ . Automatic temperature compensation (0-50 °C). Single point manual calibration. Fix electrode. 4 battery cells 1.5V LR44 (included). Dimensions: 152 x 29 x 15 mm. Weight: 50 g

reference	description	pcs/pack	price/pack
PHMT-600-001	pH meter, pH600	1	

### Pocket pH meter, water-tight

pH meter compact with interchangeable electrode and automatic temperature compensation. pH range: 0 .. 14 pH, precision:  $\pm 0.05$ . Temperature range: 0 - 60 °C, accuracy  $\pm 1$  °C. Calibration in 2 points (pH 4.01, 7.00 and 10.01). Water-tight. Warranty 1 year

reference	description	pcs/pack	price/pack
PHMT-030-001	pH meter, pHscan 30	1	
Spare parts			
PHMT-A30-001	spare electrode	1	

### "Portable pH meter, pH7 model

pH meter portable with automatic and manual temperature compensation. pH range: 0 .. 14 pH and  $\pm 1000$  mV (redox). Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Includes transportation case, rubber case, buffer solutions (pH 4.01 and 7.00, electrode for general use with BNC fixed cable and CAT probe. Warranty 1 year. Delivery 1 week

reference	description	pcs/pack	price/pack
PHMT-007-001	pHmeter, pH7 , with electrode	1	
Spare parts			
PHMT-A07-001	spare electrode for pH7 and pH50+	1	

### "Desktop pH meter, pH50+ model

Desktop pH meter with automatic and manual temperature compensation (between 0 and 80 °C). pH range: 0 ... 14 pH, resolution: 0,01 pH, accuracy  $\pm 0.02$  pH. Redox range:  $\pm 1000$  mV, resolution  $\pm 1$  mV. Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Backlit LCD display. Keypad resistant to water, bases and acids splashes. Stable measurement indication. Includes buffer solutions (pH 4.01 and 7.00), electrode arm, electrode for general use with BNC fixed cable and integrated CAT probe. Plastic body electrode, with gel electrolyte, pH range 0 ... 14 and 0 - 60 °C. Warranty 3 years. Delivery 1 week

reference	description	pcs/pack	price/pack
PHMT-P50-001	pHmeter, pH50+, with electrode	1	
Spare parts			
PHMT-A07-001	spare electrode for pH7 and pH50+	1	

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### Epoxy body pH electrode for educational use, Basic Line

Specially designed for educational market, combining quality at an affordable price. Minimum maintenance, less frequent calibrations and greater stability. Plastic body (epoxy). Reference element Ag/AgCl, gel non refillable electrolyte and fiber diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

reference	conector	pcs/pack	price/pack
PHEL-EDU-001	1 m cable + BNC	1	



METRIA

### Epoxy body pH electrode, general use

Plastic body (epoxy), specially designed for general use in portable pH meters. Reference element Ag/AgCl, gel non refillable electrolyte and porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHEL-PB1-001	1 m cable + BNC	1	
PHEL-PS1-001	S7	1	



METRIA

### Glass body pH electrode, general use

For general use. Aqueous solutions. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and annular ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHEL-GB1-001	1 m cable + BNC	1	
PHEL-GS1-001	S7	1	



METRIA

### Epoxy body pH electrode, intensive use

Plastic body (epoxy), specially designed for general use in portable pH meters and also for industrial uses. Reference element Ag/AgCl, gel non refillable electrolyte and double porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHEL-PB2-001	1 m cable + BNC	1	
PHEL-PS2-001	S7	1	



METRIA

### Glass body pH electrode, intensive use

For general use and high accuracy measurements in liquids and non aqueous samples. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and double ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHEL-GB2-001	1 m cable + BNC	1	
PHEL-GS2-001	S7	1	

### Glass body pH electrode, semi micro applications

Glass body electrode, specially designed for measuring pH in very small sample volumes or narrow vessels. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and frit ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Stem dimensions: 90 x 4,5 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHL-GB3-001	1 m cable + BNC	1	
PHL-GS3-001	S7	1	

### Epoxy body pH electrode, difficult samples

Specially designed for measuring difficult samples: dairy products, viscose samples, creams, surface measurements (paper, Agar, skin, ...). Reference element Ag/AgCl, partial gel refillable electrolyte (3.5M KCl/AgCl) and teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHL-PB4-001	1 m cable + BNC	1	
PHL-PS4-001	S7	1	

### Glass body pH electrode for high temperature measurements

Specially designed for high temperature measurements and for industrial pipeline. Reference element Ag/AgCl, gel non refillable electrolyte and double teflon diaphragm. pH range 0 ... 14, maximum service temperature 130 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

reference	conector	pcs/pack	price/pack
PHL-GB6-001	1 m cable + BNC	1	

### Penetration pH electrode for solids and semi-solids

Penetration food probe specially designed for measuring pH of: meat, cheese and semi solids. Robust Teflon Bodied. Reference element Ag/AgCl, gel non refillable electrolyte and teflon diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 75 x 8 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)

reference	conector	pcs/pack	price/pack
PHL-PB5-001	1 m cable + BNC	1	
PHL-PS5-001	S7	1	

### Cable for electrodes with S7 head

BNC conector cable for electrodes with S7 head

reference	length	pcs/pack	price/pack
PHAC-001-001	1 m	1	

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### Conservation electrode solutions

Electrolyte solutions for the conservation of the electrode and enzymatic cleaning solution for the membrane electrode

reference	description	package	price/pack
POCL-30A-250	Potassium chloride 3M	250 ml	
POCL-A0A-250	Potassium chloride 3M+AgCl - re-fillable electrodes	250 ml	
SCME-00A-250	Electrode cleaning solution (Pepsin)	250 ml	

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### pH Buffer solution

Colored solutions to prevent mistakes. Certificate of analysis to be downloaded at [www.labbox.com](http://www.labbox.com). Certificates traceable to SRM from NIST. Variation table of pH/temperature on the label. Use within 12-15 months of opening

reference	type	package	price/pack
PHBS-004-250	pH 4,00 ± 0,01 (20 °C) - red	250 ml	
PHBS-004-1K0	pH 4,00 ± 0,01 (20 °C) - red	1000 ml	
PHBS-007-250	pH 7,00 ± 0,01 (20 °C) - yellow	250 ml	
PHBS-007-1K0	pH 7,00 ± 0,01 (20 °C) - yellow	1000 ml	
PHBS-009-250	pH 9,21 ± 0,01 (20 °C) - colourless	250 ml	
PHBS-009-1K0	pH 9,21 ± 0,01 (20 °C) - colourless	1000 ml	
PHBS-010-250	pH 10,00 ± 0,01 (20 °C) - blue	250 ml	
PHBS-010-1K0	pH 10,00 ± 0,01 (20 °C) - blue	1000 ml	

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### pH buffer solution with measuring chamber

Bottle with a separate measuring chamber, "twin-neck". No other containers are required during the calibration process and subsequent cleaning thereof, preserving the purity of the buffer solution. Colored solutions to prevent mistakes. Certificates traceable to SRM from NIST. Variation table of pH / temperature on the label. Use within 12-15 months of opening

reference	type	package	price/pack
PHBW-004-500	pH 4,00 ± 0,01 (20 °C) - red	500 ml	
PHBW-004-1K0	pH 4,00 ± 0,01 (20 °C) - red	1000 ml	
PHBW-007-500	pH 7,00 ± 0,01 (20 °C) - yellow	500 ml	
PHBW-007-1K0	pH 7,00 ± 0,01 (20 °C) - yellow	1000 ml	
PHBW-009-500	pH 9,21 ± 0,01 (20 °C) - colourless	500 ml	
PHBW-010-500	pH 10,00 ± 0,01 (20 °C) - blue	500 ml	

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### pH Buffer capsule

Twist the capsule, open and pour the granules in 100ml of DI (deionised) water, shake the solution so the granules dissolve and the solution is ready to use. Once made up the buffer should last approximately one week, before it's too weak to use. NIST certified. Tolerance margin of ± 0,02 if used with deionised water. Tests show the same results even if the volume is not totally accurate, no need to measure with an exact volumetric flask and a pipette. If to use as a side information it can be used with distilled water and even tap water

NEW

reference	type	pcs/pack	price/pack	average price/pc
PHBC-004-010	pH 4,01 ± 0,02 (25 °C)	10		
PHBC-007-010	pH 7,00 ± 0,02 (25 °C)	10		
PHBC-009-010	pH 8,96 ± 0,02 (25 °C)	10		
PHBC-010-010	pH 10,01 ± 0,02 (25 °C)	10		

### Pocket conductivity meter, basic series

Range: 0 to 1990  $\mu\text{S}/\text{cm}$ , res.: 10  $\mu\text{S}/\text{cm}$  and accuracy  $\pm 2\%$  full scale. Single point manual calibration. Automatic temperature compensation from +5 up to +50 °C. Built in a one-piece casing. Battery type: 4 x 1.5V LR44 (included). Dimensions: 150 x 30 x 24 mm, weight 85 g

reference	range	pcs/pack	price/pack
COMT-601-001	0 - 1990 $\mu\text{S}/\text{cm}$	1	

### Pocket conductivity meter, water-tight

Compact Conductivity meter with interchangeable cell and automatic temperature compensation (0 - 50 °C). Conductivity range according to model: 1,0 - 199,9  $\mu\text{S}/\text{cm}$ , 10 - 1999  $\mu\text{S}/\text{cm}$  or 0,1 - 19,99  $\text{mS}/\text{cm}$ , accuracy  $\pm 1\%$  F.S. (full scale). Single point calibration. Auto-power off feature helps you effectively conserve battery life. Water-tight. Warranty 1 year

reference	resolution	calibration solutions	range	pcs/pack	price/pack
COMT-020-001	0,1 $\mu\text{S}$	146 $\mu\text{S}$	1.0 - 199,9 $\mu\text{S}/\text{cm}$	1	
COMT-030-001	1 $\mu\text{S}$	1413 $\mu\text{S}$	10 - 1999,9 $\mu\text{S}/\text{cm}$	1	
COMT-040-001	0,01 $\text{mS}$	12,88 $\text{mS}$	0.1 - 19,9 $\text{mS}/\text{cm}$	1	

### "Portable conductivity meter, COND7 series

Portable conductivity meter with automatic and manual temperature compensation. Range: 0 - 19,99  $\mu\text{S}/\text{cm}$ , 0 - 199,9  $\mu\text{S}/\text{cm}$ , 200 - 1999  $\mu\text{S}/\text{cm}$ , 2,00 - 199,9  $\text{mS}/\text{cm}$  Automatic calibration in 4 points (84, 1413  $\mu\text{S}/\text{cm}$ , 12,88 y 111  $\text{mS}/\text{cm}$ ) and manual calibration in 5 points. Includes transportation case, rubber case, two buffer solutions and conductivity cell for general use (K=1) with automatic temperature compensation. Warranty 3 years. Delivery 1 week

reference	description	pcs/pack	price/pack
COMT-007-001	conductivity meter, COND7, with probe	1	
Spare parts			
COMT-A02-001	conductivity cell for COND7 and COND51+	1	





### "Desktop conductivity meter, COND51+ series

Desktop conductivity meter with manual or automatic temperature compensation (between 0 and 99 °C). Available ranges (range is automatically chosen): 0,0 - 200,0  $\mu\text{S}/\text{cm}$ , 200,0 - 2000  $\mu\text{S}/\text{cm}$ , 2,00 - 20,00  $\text{mS}/\text{cm}$ , 20,0 - 200,0  $\text{mS}/\text{cm}$ , accuracy  $\pm 1\%$  full scale. Automatic and manual calibration with automatic recognition of 4 conductivity solutions: 84, 1413  $\text{mS}/\text{cm}$  and 12,88, 111,8  $\text{mS}/\text{cm}$ . Stable measurement indication. Includes sensor support, two buffer solutions and conductivity cell with integrated temperature sensor (K=0,1 - 1,0 - 10,0 selectable). Keypad resistant to water, bases and acids splashes. Backlit LCD. Warranty 3 years. Delivery 1 week

reference	description	pcs/pack	price/pack
COMT-P51-001	conductivity meter, COND51+, with probe	1	
Spare parts			
COMT-A02-001	conductivity cell for COND7 and COND51+	1	

### Conductivity solution

In practical bottle with integrated cup. Eliminates the need to transfer to other containers and allows economical dosing in each calibration. Tolerance  $\pm 1\%$  of the declared value. Certificates traceable to SRM from NIST. With variation table of conductivity / temperature on the label. Use within 12 months of opening

reference	type	package	price/pack
COSS-084-500	84 $\mu\text{S}$ (25 °C)	 500 ml	
COSS-147-500	147 $\mu\text{S}$ (25 °C)	 500 ml	
COSS-1K4-500	1413 $\mu\text{S}$ (25 °C)	 500 ml	
COSS-012-500	12,88 $\text{mS}$ (25 °C)	 500 ml	

METRIA



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XS



XS



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XS

### "Multiparameter tester, PC5 series"

A single compact device to measure pH, mV, conductivity, TDS, salinity and temperature. With interchangeable probe. pH range: -2 ... 16,00 pH, accuracy  $\pm 0.01$  pH and 1...3 points calibration. mV (redox) measuring range:  $\pm 500$ . Conductivity range: 0 - 200  $\mu\text{S}/\text{cm}$ , 0 - 2000  $\mu\text{S}/\text{cm}$ , 0 - 20,00  $\text{mS}/\text{cm}$ , accuracy:  $\pm 0.5\%$  (value reading) and 1...3 points calibration. Temperature range: 0 - 50 °C, accuracy  $\pm 0.2$  °C. TDS range: 0,1 mg/L - 10 g/L, accuracy: 0,5 % (value reading). Salinity range: 0,01 - 10 ppt. Water-tight, IP 67. Warranty 2 years. Delivery 1 week

reference	description	pcs/pack	price/pack
MPMT-005-001	multiparameter tester, PC5	1	
Spare parts			
MPMT-A05-001	spare electrode	1	

METRIA

### Thermometer

Chemical thermometers filled with colored liquid (without mercury)

reference	range	accuracy	Ø (mm)	l (mm)	pcs/pack	price/pack	average price/pc
THER-060-001	-10 +60 °C	$\pm 1$ °C	6	250	1		
THER-110-001	-10 +110 °C	$\pm 1$ °C	6	300	1		
THER-150-001	-10 +150 °C	$\pm 1$ °C	6	300	1		
THER-200-001	-10 +200 °C	$\pm 1$ °C	6	305	1		
10 units "Saving package"							
THER-060-010	-10 +60 °C	$\pm 1$ °C	6	250	10		
THER-110-010	-10 +110 °C	$\pm 1$ °C	6	300	10		
THER-150-010	-10 +150 °C	$\pm 1$ °C	6	300	10		
THER-200-010	-10 +200 °C	$\pm 1$ °C	6	305	10		
50 units "Saving package"							
THER-060-050	-10 +60 °C	$\pm 1$ °C	6	250	50		
THER-110-050	-10 +110 °C	$\pm 1$ °C	6	300	50		
THER-150-050	-10 +150 °C	$\pm 1$ °C	6	300	50		
THER-200-050	-10 +200 °C	$\pm 1$ °C	6	305	50		

### Thermometer

Yellow enameled rod. Filled with red colored liquid (without mercury). Partial immersion (76 mm). Laboratory-tested accuracy

reference	range	readability	accuracy	Ø (mm)	l (mm)	pcs/pack	price/pack	average price/pc
THER-60A-010	-10 + 60 °C	$\pm 0,5$ °C	$\pm 1$ °C	6 - 7	305	10		
THER-11A-010	-20 + 110 °C	$\pm 1$ °C	$\pm 2$ °C	6 - 7	305	10		
THER-15A-010	-20 + 150 °C	$\pm 1$ °C	$\pm 2$ °C	6 - 7	305	10		

### Thermometer with precision and traceability certificate

Yellow enameled rod. Filled with blue colored organic liquid (without mercury, ecologically safe). Indelible printing scale resistant to chemical products. Triangular ring to prevent the thermometer from rolling. Partial immersion at 76 mm. Connected to the 3 following calibration channels: MRA/ILAC (COFRAC, DKD...), NIST and GOST

reference	range	readability	accuracy	Ø (mm)	l (mm)	pcs/pack	price/pack
THER-60C-001	-10 + 60 °C	$\pm 0,5$ °C	$\pm 0,8$ °C	6 - 7	305	1	
THER-11C-001	-20 + 110 °C	$\pm 1$ °C	$\pm 1$ °C	6 - 7	305	1	
THER-15C-001	-20 + 150 °C	$\pm 1$ °C	$\pm 2$ °C	6 - 7	305	1	





### Thermometer with cover

Thermometers filled with colored liquid (without mercury) and protected inside a cover to avoid any breakage in freezers or oven

reference	range	readability	l (mm)	type	pcs/pack	price/pack
THES-120-001	0 +120 °C	±1 °C	300	stainless steel shielded (A)	1	
THES-200-001	+80 +200 °C	±1 °C	300	stainless steel shielded (A)	1	
THES-040-001	-40 +40 °C	±1 °C	170	aluminum shielded (B)	1	
THES-041-001	-40 +40 °C	±1 °C	170	plastic shielded (C)	1	

### Digital thermometer with probe sensor TP3001

Fixed probe made of stainless steel, 145 mm long. Temperature unit °C/°F. Range: -50 +300 °C (-58 +572 °F), resolution 0.1 °C/°F. Hold function included (temperature hold in display). Power supply: 1 battery cell G13. Dimensions: 235 x 22 mm, weight 25 g. Includes PVC protection cover

reference	range	type	pcs/pack	price/pack
THER-D30-001	-50 +300 °C	straight	1	

### Digital indoor thermometer DC108

Thermo-hygrometer with wall and table holder. Temperature unit °C/°F. Temperature range: -10 up to +50 °C (+14 +122°F), resolution 0.1 °C/°F. Humidity measuring range: 20% to 90% with 1% resolution. Functions: maximum temperature, minimum temperature and comfort area. Power supply: 1 battery 1.5 V type AAA. Dimensions: 91 x 85 x 20 mm, weight 96 g

reference	range	accuracy	pcs/pack	price/pack
THER-D31-001	-10 +50 °C	±1 °C	1	

### Digital indoor/outdoor thermometer DC105

Thermo-hygrometer with table holder. Double display for indoor and outdoor temperature. Sensor probe cable for outdoor long 1 m. Temperature unit °C/°F. Indoor temperature range: -10 up to +50 °C (+14-122 °F), resolution 0.1 °C/°F. Outdoor temperature range: -50 up to +90 °C (-58+194 °F), resolution 0.1 °C/°F. Humidity measuring range: 20% to 90% with 1% resolution. Functions: maximum temperature, minimum temperature and comfort area. Power supply: 1 battery cell AAA 1.5 V. Dimensions: 98 x 58 x 13 mm, weight 78 g

reference	range	accuracy	pcs/pack	price/pack
THER-D32-001	-50 +90 °C	±1 °C	1	

### Infrared laser digital thermometer, -33 °C up to +250 °C

Range: -33°C up to +250 °C, resolution 0.1 °C. Accuracy: 2 °C or ±2%. Answer time 1 s and adjustable emissivity from 0.05 up to 1.00. Optical resolution: 6:1. Service temperature: 0 °C up to +50 °C. Dimensions: 104 x 60 x 22 mm, weight 63 g. Power supply: 2 battery cell CR 2032. Warranty 1 year

reference	range	accuracy	pcs/pack	price/pack
THER-L02-001	-33 +250 °C	± 2 °C	1	

### Infrared laser digital thermometer, -33 °C up to +500 °C

Range: -33 °C up to +500 °C. Accuracy: 1 °C or ±1% from +15 °C and +35 °C, for the remaining temperatures 2 °C or ±2%. Laser pointer type II, answer time 1 second. Optical resolution: 12:1. Illuminated screen. Operating environment: 0 +50 °C. Dimensions: 175 x 80 x 39 mm, weight 180 g. Power supply: 2 battery cell 1,5 V AAA. Bag included. Warranty 1 year

reference	range	accuracy	pcs/pack	price/pack
THER-L03-001	-33 +500 °C	± 1 °C / ± 2 °C	1	

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#### METRIA



#### METRIA



#### TFA



#### TFA





ESCORT



### “Thermo data logger with internal sensor

Thermo data logger storing up to 16.240 readings. Range: -40 °C up to +70 °C, resolution 0.1 °C and accuracy  $\pm 0.3^{\circ}\text{C}$  from -10 °C to +70°C, for the remaining temperatures  $\pm 0.5^{\circ}\text{C}$ . Large LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with mini USB cable and activation through push button. No interface or proprietary software required, only a PDF reader. IP65. Power supply: 3V Lithium battery. Warranty 2 years

reference	range	type	pcs/pack	price/pack
LOGT-16K-001	-40 +70 °C	16.240 readings	1	

ESCORT



### “Data logger with internal temperature and humidity sensor

Temperature and humidity data logger that can store up to 16.240 readings. Temperature measuring range: -40 °C up to +80 °C, resolution 0.1 °C and accuracy  $\pm 0.3^{\circ}\text{C}$  from -10 °C to +80°C, for the remaining temperatures  $\pm 0.5^{\circ}\text{C}$ . Humidity measuring range: 0% to 100% with 0,1% resolution and accuracy  $\pm 3\%$  from 10 to 90%, for the remaining range  $\pm 4\%$ . Large LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with mini USB cable and activation through push button. It generates reports in PDF downloadable with the Console Plus software (included). IP51. Power supply: 3V Lithium battery. Warranty 2 years

reference	range	type	pcs/pack	price/pack
LOGH-16K-001	-40 +80 °C / 0-100% HR	16.000 readings	1	

ESCORT



### “Data logger iLOG series with internal temperature and humidity sensor

32000 lectures. Temperature measuring range -40°C to 70°C, resolution 0.1 °C and accuracy  $\pm 0.3^{\circ}\text{C}$ . Humidity measuring range 2% to 98%, resolution 0.1% and accuracy  $\pm 0.3\%$ . LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with LOGH-A01-001 (not included) and managed with Console Plus software. IP51. Power supply: 3,6V Lithium battery LS14250 1/2AA. Warranty 2 years

reference	type	pcs/pack	price/pack
LOGH-32K-001	data logger iLOG	1	
LOGH-A01-001	interface USB connection for iLOG series includes Console Plus software	1	

TFA



### Digital thermohygrometer with remote sensor

Sending the data through radio from a remote probe. Temperature measuring range indoor: -10°C to 50°C, resolution 0.1 °C, outdoor: -20°C to 50°C, resolution 0.1 °C. Humidity measuring range: indoor 20% to 95%, resolution 1%, outdoor 20% to 99%, resolution 1%. Includes remote sensor with transmission range up to 30 m (open space). Maximum and minimum record with auto-reset every 24h. Power supply: 2x AAA batteries (not included). Dimensions: 137 x 97 x 19 mm

reference	type	pcs/pack	price/pack
HIGR-D23-001	digital thermohygrometer with remote sensor	1	
HIGR-A23-001	additional remote sensor	1	



XS



### “Portable thermometer, Temp 7 Pt100 model

Range: -200 °C up to +999 °C, resolution 0.1 °C from 99,9 °C up to +199.9 °C (1 °C for the remaining temperatures). Probe included (Warning: probe measurements limits may be different than the thermometer). Functions: maximum, minimum, hold and automatic switch off. LCD screen. Battery life:> 750 hours. Dimensions: 196 x 86 x 33 mm, weight 295 g. Includes a rubber cover and transportation case. IP56. Warranty 3 years. Delivery 1 week

reference	description	pcs/pack	price/pack
THER-D22-001	thermometer with immersion probe $\varnothing 3 \times 200$ mm, -50 °C up to +400 °C	1	
THER-D26-001	thermometer with penetration probe $\varnothing 4 \times 150$ mm, -50 °C up to +400 °C	1	

### Commercial grade density hydrometers

Not standardized. Reading below meniscus. Calibrated at 20°C. Unit: g/ml. Length: 300 mm. These instruments are not delivered with calibration certificates

reference	range (g/ml)	accuracy (g/ml)	division (g/ml)	T.S. (mN/m)	pcs/pack	price/pack
HYDR-060-001	0.600-0.700	±0.002	0,001	20	1	
HYDR-070-001	0.700-0.800	±0.002	0,001	25	1	
HYDR-080-001	0.800-0.900	±0.002	0,001	30	1	
HYDR-090-001	0.900-1.000	±0.002	0,001	35	1	
HYDR-100-001	1.000-1.100	±0.002	0,001	55	1	
HYDR-110-001	1.100-1.200	±0.002	0,001	55	1	
HYDR-B65-001	0.650-1.000	±0.005	0,005	26/55	1	
HYDR-10B-001	1.000-2.000	±0.010	0,01	55/75	1	

### Baume hydrometers

Unit: °Bé. Length: 280 mm. These instruments are not delivered with calibration certificates

reference	range (°Be)	accuracy (°Be)	division (°Be)	T.S. (mN/m)	pcs/pack	price/pack
Calibrated at 15°C						
HYBE-010-001	0-10	±0.2	0,1	55	1	
HYBE-020-001	10-20	±0.2	0,1	55	1	
HYBE-030-001	20-30	±0.2	0,1	55	1	
HYBE-040-001	30-40	±0.2	0,1	75	1	
HYBE-050-001	40-50	±0.2	0,1	75	1	
HYBE-060-001	50-60	±0.2	0,1	75	1	
HYBE-070-001	60-70	±0.2	0,1	75	1	
Calibrated at 20°C						
HYBE-210-001	0-10	±0.2	0,1	55	1	
HYBE-220-001	10-20	±0.2	0,1	55	1	

### High precision alcoholometer

According to ISO 4801 and NF B 35-515 standards. Calibrated at 20°C. Unit: Ethanol in %vol. Length: 350 mm. These instruments are delivered with a certificate of conformity

reference	range (%vol)	accuracy (%vol)	division (%vol)	T.S. (mN/m)	pcs/pack	price/pack
ALCO-000-001	0-10	±0.1	0,1	72,6	1	
ALCO-010-001	10-20	±0.1	0,1	50,5	1	
ALCO-020-001	20-30	±0.1	0,1	41,4	1	
ALCO-030-001	30-40	±0.1	0,1	35,4	1	
ALCO-040-001	40-50	±0.1	0,1	31,7	1	
ALCO-050-001	50-60	±0.1	0,1	29,4	1	
ALCO-060-001	60-70	±0.1	0,1	27,9	1	
ALCO-070-001	70-80	±0.1	0,1	26,7	1	
ALCO-080-001	80-90	±0.1	0,1	25,6	1	
ALCO-090-001	90-100	±0.1	0,1	24,2	1	
Range finder						
ALCO-RF1-001	0-100 %Vol/GL/Tralles 10-44 Cartier	±1 ±0.5	1 0.5	72 24	1	

### Mechanical timer 60 minutes

Countdown mechanical timer with alarm

reference	description	pcs/pack	price/pack
TIME-M01-001	mechanical timer 60'	1	



France



France



France



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### Countdown timer and clock 24 hours

Clock function, timer countdown up to 23 h 59' 59" with alarm and chronometer. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Battery cell included

reference	description	pcs/pack	price/pack	average price/pc
TIME-W24-001	24 h clock watch digital timer	1		
10 units "Saving package"				
TIME-W24-010	24 h clock watch digital timer	10		

METRIA



### Countdown timer 100 minutes

Timer countdown up to 99' 59" with alarm. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Battery cell included

reference	description	pcs/pack	price/pack	average price/pc
TIME-100-001	100 minutes digital timer	1		
10 units "Saving package"				
TIME-100-010	100 minutes digital timer	10		

METRIA



### Digital chronometer PC-1001

Functions: chronometer, watch, alarm and calendar. Chronometer resolution: 1/100" for the first 30 minutes of timing, and then in 1 second increment up to maximum of 24 hours. Digital LCD display and lanyard to hang on your neck. Power supply: 2 battery cell LR44 (included). Dimensions: 88,5 x 62,5 x 22,5 mm, weight 55 g

reference	description	pcs/pack	price/pack
TIME-D03-001	digital chronometer 30', 1/100"	1	

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### Digital chronometer PC-6008

Functions: chronometer, countdown, watch, alarm, calendar, podometer (pacer). Total time 9 h 59' 59.99", 1/100" intervals. Partial time (Lap) and accumulated time (Split). 180 memories. Auto-switch off for a longer battery cell life. Digital LCD display and lanyard to hang on your neck. Power supply: 1 battery SR44 (included). Dimensions: 85 x 55 x 25 mm, weight 100 g

reference	description	pcs/pack	price/pack
TIME-D04-001	digital chronometer 10 h, 1/100"	1	

### Batteries

For office and laboratory equipment

reference	description	pcs/pack	price/pack	average price/pc
BTTY-D3A-010	Duracell Industrial LR03 (AAA) alkaline battery case, 10 pcs	10		
BTTY-D2A-010	Duracell Industrial LR06 (AA) alkaline battery case, 10 pcs	10		
BTTY-KCR-005	Kodak CR2032 lithium button cell battery, in strips, 5 pcs	5		
BTTY-VLR-010	Vinnic LR44 alkaline battery, in strips, 10 pcs	10		
BTTY-F36-001	Fullwat 3,6 V ER14250 (1/2AA) lithium battery	1		



METRIA

### ABBE analogic refractometer METRIA RST111

ABBE analogic refractometer for measuring refractive index (RI), Brix % and Temperature with good accuracy and a wide measuring range. Very easy to move due to its reduced dimensions (270x180x370mm) and weight (3,5 kg) and also very easy to use. Includes high resistant aluminium portable case for transportation

reference	type	range	accuracy	pcs/pack	price/pack
ABRF-111-001	RI / Brix / Temp.	1,30000-1,70000 / 0-95% / 0-60	$\pm 0,0005 / \pm 0,25\%$ / $\pm 1^\circ\text{C}$	1	



**NEW** Portable Analogue Refractometer

Analogue hand-held refractometer with Automatic Temperature Compensation (ATC) and high precision. Anti-rolling design, comfortable eyepiece with perfect fit, easy-to-clean prism and protective flap for the prism opening. Measures: Brix grade, Probable Alcohol, specific gravity, Baume grade and KMW grade (Babo). Includes case with screwdriver and pipette

reference	type	range	readability	pcs/pack	price/pack
PREF-B20-001	Brix	0-20 %	0,1%	1	
PREF-B32-001	Brix	0-32 %	0,2%	1	
PREF-B50-001	Brix	0-50 %	0,5%	1	
PREF-B82-001	Brix	45-82 %	0,5%	1	
PREF-B92-001	Brix	58-92 %	0,2%	1	
PREF-WN1-001	Vino	0-140 Oe / 0-25 KMW (Babo) / 0-32% Mas Sacch	1 Oe / 0,2 KMW / 0,2%	1	
PREF-WN5-001	Vino	0-190 Oe / 0-38 KMW (Babo) / 0-44% Brix	2 Oe / 0,5 KMW / 0,5%	1	
PREF-WN7-001	Vino	30-140 Oe / 0-25 KMW (Babo) / 0-32% Brix	1 Oe / 0,2 KMW / 0,2%	1	
PREF-AL6-001	Alcohol (AP)	0-25%VOL / 0-20 Baume / 0-40% Brix	0,2% / 0,2 / 0,2%	1	
PREF-AI7-001	Alcohol (AP)	0-32% Brix / 1,000 - 1,120 sg	0,2% / 0,001	1	

**NEW** Portable Digital Refractometer METRIA RSD

Digital hand-held refractometer with Automatic Temperature Compensation (ATC) 5°C-40°C, automatic power management and high precision. Temperature measurement range from 0 to 40°C (0,5°C accuracy). Large backlit colour TFT display, user-defined zero setting function, ergonomic durable design and anti-interference from light. Measurement of Brix grade, refractive index (RI), Oechsle, mass S/W, probable alcohol (AP) and KMW (Babo). Net weight 200g, power supply 2xAAA (1,5 V). Compliance with IP65 standards, CE and ROHS. Warranty 1 year

reference	type	range	readability	accuracy	model	pcs/pack	price/pack
PDRF-R45-001	Brix / RI	0-45% / 1,3330- 1,4098	0,1 / 0,0001	±0,2 / ±0,0003	RSD200	1	
PDRF-R85-001	Brix / RI	0-85% / 1,3330- 1,5100	0,1 / 0,0001	±0,5 / ±0,0005	RSD500	1	
PDRF-RM5-001	Oe (Germany) / Oe(Swiss) / Mass S/W / Vol AP / KMW	3-150 / 0-150 / 0-35% / 0-22% / 0-25	1 / 1 / 0,1 / 0,1 / 0,1	±1 / ±1 / ±0,2 / ±0,2 / ±0,2	RSD205	1	

**NEW** "Spectrophotometer, visible, ONDA V-10 PLUS

For education, general use and routine analysis. Components that guarantee an excellent performance. Wavelength lecture directly on the screen. Auto zero and blank. Measurement of absorbance, transmittance and concentration. Quantitative: standard curve and coefficient methods. Pre-aligned lamp design, which ensures an easy exchange by the user. Includes software to extend the applications to the curve and standard kinetics. LCD screen (128 x 64 pixels). Sheath. Trackable Standard DakkS Certificate. Wavelength range: 325 - 1000 nm. Bandwidth: 4 nm. Optical system: single beam. Grid: 1200 lines/mm. Wavelength accuracy: ± 2 nm. Repeatability: ± 1 nm. Resolution: 0,5 nm. Photometric mode: %T, Abs, Conc and Factor. Detector: silicon photodiode. Standard cell holder for 4 square 10 mm cells (4 optical glass cells included). Light source: tungsten. Lamp lifespan: 2000 hours approx. USB port (for PC remote control) and parallel port (for direct printing). Optional: professional software for data exportation to spreadsheet, color intensity analysis and tonality according to specific methods for OIV-MA-AS2-07B wines (SPTR-A01-001). Weight: 8 kg. Dimensions (mm): 440 x 360 x 180. 85-265 V / 50-60 Hz. Warranty 2 years. See the spare parts available for this spectrophotometer and the data sheet on our website: [www.labbox.com](http://www.labbox.com)

reference	description	pcs/pack	price/pack
SPTR-V01-001	spectrophotometer, visible, ONDA V-10 PLUS	1	
Accessories			
SPTR-A01-001	professional software	1	
SPTR-A02-001	thermal printer for ONDA spectrophotometers	1	

## METRIA



## METRIA



## ONDA



METRIA

**Standard (macro) spectrophotometer cuvette with lid**

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
<b>Made of quartz</b>							
MALQ-001-002	LB Q	1 mm	10	0,35	2		
MALQ-002-002	LB Q	2 mm	10	0,7	2		
MALQ-005-002	LB Q	5 mm	10	1,7	2		
MALQ-010-002	LB Q	10 mm	10	3,5	2		
MALQ-020-002	LB Q	20 mm	10	7	2		
MALQ-040-002	LB Q	40 mm	10	14	2		
MALQ-050-002	LB Q	50 mm	10	17,5	2		
<b>Made of optical glass</b>							
MALG-001-002	LB OG	1 mm	10	0,35	2		
MALG-002-002	LB OG	2 mm	10	0,7	2		
MALG-005-002	LB OG	5 mm	10	1,7	2		
MALG-010-002	LB OG	10 mm	10	3,5	2		
MALG-020-002	LB OG	20 mm	10	7	2		
MALG-040-002	LB OG	40 mm	10	14	2		
MALG-050-002	LB OG	50 mm	10	17,5	2		

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**Semi-micro spectrophotometer cuvette with lid**

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
SMLQ-010-002	LB Q	10 mm	4	1,4	2		
SMLG-010-002	LB OG	10 mm	4	1,4	2		

METRIA

**Micro spectrophotometer cuvette with lid**

Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
MILQ-010-002	LB Q	10 mm	2	0,7	2		
MILG-010-002	LB OG	10 mm	2	0,7	2		

METRIA

**Standard (macro) spectrophotometer cuvette with PTFE stopper**

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
MASQ-010-002	LB Q	10 mm	10	3,5	2		
MASG-010-002	LB OG	10 mm	10	3,5	2		

astik's

**Cuvette holder**

For 12 cuvettes (path length 10 mm)

reference	h (mm)	l (mm)	w (mm)	pcs/pack	price/pack
CUVP-012-001	15	170	50	1	



### Semi-micro spectrophotometer cuvette with PTFE stopper

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
SMSQ-010-002	LB Q	10 mm	4	1,4	2		
SMSG-010-002	LB OG	10 mm	4	1,4	2		

### Micro spectrophotometer cuvette with PTFE stopper

For volatile samples. Available in quartz (LB Q) for use within 200 - 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320 - 2500 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
MISQ-010-002	LB Q	10 mm	2	0,7	2		
MISG-010-002	LB OG	10 mm	2	0,7	2		

### Disposable spectrophotometer cuvette

Available in optical polystyrene (PS) for use within 340 - 800 nm and in PMMA for use within 280 - 800 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
Standard (macro) type (A)							
MAPS-010-100	PS	10 mm	10	4,5	100		
MAPM-010-100	PMMA	10 mm	10	4,5	100		
Semi-micro type (B)							
SMPS-010-100	PS	10 mm	10	2,5	100		
SMPM-010-100	PMMA	10 mm	10	2,5	100		

### Standard (macro) fluorometer cuvette with lid

Cuvette with 4 polished faces available in quartz (LB Q) or optical glass (LB OG)

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
MALQ-F10-002	LB Q	10 mm	10	3,5	2		
MALG-F10-002	LB OG	10 mm	10	3,5	2		

### Standard (macro) disposable fluorometer cuvette

Cuvette with 4 polished faces available in optical polystyrene (PS) for use within 340 - 800 nm and in PMMA for use within 280 - 800 nm

reference	composition	light path	internal width	vol. (ml)	pcs/pack	price/pack	average price/pc
MAPS-F10-100	PS	10 mm	10	4,5	100		
MAPM-F10-100	PMMA	10 mm	10	4,5	100		

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INBAUTEK



### “Laboratoy table in C made with high resistance compact phenolic resin worktop

Laboratory table in C made with high resistance compact phenolic resin Fundermax Resistance<sup>2</sup> white/soft grey, 20 mm thick. Ideal for all type of laboratories and indispensable in physical-chemical laboratories. Equipped with metal frame tube cold rolled steel protected with antirust epoxy resins. With a maximum load capacity of 350 kg/linear meter. Four adjustable support points to level the table. Price does not include assembly. Warrantuy 5 years. Delivery time 4 weeks

reference	dimensions (length x width x height)	pcs/pack	per sales unit
LABT-C01-001	900 x 750 x 900 mm	1	
LABT-C02-001	1200 x 750 x 900 mm	1	
LABT-C03-001	1500 x 750 x 900 mm	1	
LABT-C04-001	1800 x 750 x 900 mm	1	

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### “Laboratory table in A made with high resistance compact phenolic resin worktop

Laboratory table in A made with high resistance compact phenolic resin Fundermax Resistance<sup>2</sup> white/soft grey, 20 mm thick. Ideal for all type of laboratories and indispensable in physical-chemical laboratories. Equipped with metal frame tube cold rolled steel protected with antirust epoxy resins. With a maximum load capacity of 350 kg/linear meter. Four adjustable support points to level the table. Price does not include assembly. Warrantuy 5 years. Delivery time 4 weeks

reference	dimensions (length x width x height)	pcs/pack	per sales unit
LABT-A01-001	900 x 750 x 900 mm	1	
LABT-A02-001	1200 x 750 x 900 mm	1	
LABT-A03-001	1500 x 750 x 900 mm	1	
LABT-A04-001	1800 x 750 x 900 mm	1	

INBAUTEK



### “Double table for laboratory ovens, incubators and furnaces

Table for furnaces, ovens and incubators at two heights with a separation of 54 cm. Worktop of high resistance compact phenolic resin Fundermax Resistance<sup>2</sup> white/soft grey, 20 mm thick. Ideal for all type of laboratories. Equipped with metal frame tube cold rolled steel, protected with antirust epoxy resins. Four adjustable support points to level the table. Price does not include assembly. Warrantuy 5 years. Delivery time: 2 weeks

reference	dimensions (length x width x height)	pcs/pack	per sales unit
LABT-H01-001	900 x 750 x 1200 mm	1	
LABT-H02-001	1200 x 750 x 1200 mm	1	
LABT-H03-001	1500 x 750 x 1200 mm	1	

INBAUTEK



### “Auxiliar laboratory cabinet with wheels and one door

Color white. Sides, base and lid made of melamine 19 mm thick. Fronts edged with aluminium 1 mm thick. Right / left door. Hinges with 270° opening. It incorporates a height adjustable shelf, made of melamine 19 mm thick. Four wheels at the base, two with brake. Price does not include assembly. Warrantuy 5 years. Delivery time: 4 weeks

reference	height of work	dimensions (length x width x height)	pcs/pack	per sales unit
LABC-751-001	750 mm	450 x 520 x 635 mm	1	
LABC-901-001	900 mm	600 x 520 x 805 mm	1	



### "Auxiliar laboratory cabinet with wheels, one drawer and one door

Color white. Sides, base and lid made of melamine 19 mm thick. Fronts edged with aluminium 1 mm thick. Right / left door. Hinges with 270 ° opening. Drawers with base and bottom made of melamine and guides and sides of sheet steel coated with antioxidant protection. Cushioned closing. Handle made of natural aluminium. It incorporates a height adjustable shelf, made of melamine 19 mm thick. Four wheels at the base, two with brake. Price does not include assembly. Warranty 5 years. Delivery time: 4 weeks

reference	height of work	dimensions (length x width x height)	pcs/pack	per sales unit
LABC-752-001	750 mm	450 x 520 x 635 mm	1	
LABC-902-001	900 mm	600 x 520 x 805 mm	1	

### "Auxiliar laboratory cabinet with wheels and drawers

Color white. Sides, base and lid made of melamine 19 mm thick. Fronts edged with aluminium 1 mm thick. Drawers with base and bottom made of melamine and guides and sides of sheet steel coated with antioxidant protection. Cushioned closing. Handle made of natural aluminium. It incorporates a height adjustable shelf, made of melamine 19 mm thick. Four wheels at the base, two with brake. Price does not include assembly. Warranty 5 years. Delivery time: 4 weeks

reference	height of work	drawers n°	dimensions (length x width x height)	pcs/pack	per sales unit
LABC-753-001	750 mm	3	450 x 520 x 635 mm	1	
LABC-903-001	900 mm	4	600 x 520 x 805 mm	1	

### "Auxiliar laboratory cabinet with wheels and two doors

Color white. Sides, base and lid made of melamine 19 mm thick. Fronts edged with aluminium 1 mm thick. Hinges with 270 ° opening. It incorporates a height adjustable shelf, made of melamine 19 mm thick. Four wheels at the base, two with brake. Price does not include assembly. Warranty 5 years. Delivery time: 4 weeks

reference	height of work	dimensions (length x width x height)	pcs/pack	per sales unit
LABC-904-001	900 mm	900 x 520 x 805 mm	1	

### "Auxiliar laboratory cabinet with wheels, one drawer and two doors

Color white. Sides, base and lid made of melamine 19 mm thick. Fronts edged with aluminium 1 mm thick. Hinges with 270 ° opening. Drawers with base and bottom made of melamine and guides and sides of sheet steel coated with antioxidant protection. Cushioned closing. Handle made of natural aluminium. It incorporates a height adjustable shelf, made of melamine 19 mm thick. Four wheels at the base, two with brake. Price does not include assembly. Warranty 5 years. Delivery time: 4 weeks

reference	height of work	dimensions (length x width x height)	pcs/pack	per sales unit
LABC-905-001	900 mm	900 x 520 x 805 mm	1	

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### Low laboratory chair with wheels

NEW

Five wheels, rotating, for work in height of 75 cm. Seat/back material: Anti-slip polyurethane, easy to clean. Resistant to abrasion and cleaning products. Adjustment range of seat height: 40-58 cm. Adjustable seat by gas lift. Seat dimensions (width x depth): 46 x 44 cm. Dimensions of the backrest (width x height): 41 x 31 cm. Base: black polyamide with fiberglass, diameter of base: 60 cm. 1 year warranty

reference	description	pcs/pack	per sales unit
LACH-040-001	low laboratory chair with wheels	1	



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### High laboratory chair with footrest

NEW

Five feet, rotating seat, for work in height of 90 cm. Seat/back material: Anti-slip polyurethane, easy to clean. Resistant to abrasion and cleaning products. Adjustment range of seat height: 55-74 cm. Adjustable seat by gas lift. Seat dimensions (width x depth): 46 x 44 cm. Dimensions of the backrest (width x height): 41 x 31 cm. With 45 cm diameter footrest. Base: black polyamide with fiberglass, base diameter: 60 cm. 1 year warranty

reference	description	pcs/pack	per sales unit
LACH-055-001	high laboratory chair with footrest	1	



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### High laboratory stool with footrest

NEW

Five feet, rotating seat. Seat material: Anti-slip polyurethane, easy to clean. Resistant to abrasion and cleaning products. Adjustment range of seat height: 54-85 cm. Adjustable seat by gas lift. Diameter of the seat: 33 cm. With footrest of 45 cm diameter. Base: gray polypropylene, base diameter: 60 cm. 1 year warranty

reference	description	pcs/pack	per sales unit
LASL-054-001	high laboratory stool with footrest	1	

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**HEALTH AND SAFETY**

**EpiBOX****Visitor safety glass**

Made of polycarbonate with anti-scratches treatment and aeration slots in arms. According to EN 166 1.F CE standards

reference	description	pcs/pack	price/pack	average price/pc
SPEC-001-001	visitor safety glass	1		
12 units "Saving package"				
SPEC-001-012	visitor safety glass	12		

**EpiBOX****Safety glass**

Made of polycarbonate with anti-scratch treatment. Modern design and ultra light. Model A: According to EN 166 1.F CE standards. Model B: According to EN 166, EN 170 and EN 172 CE standards

reference	description	pcs/pack	price/pack	average price/pc
SPEC-002-001	safety glass (A)	1		
SPEC-UV2-001	safety glass, grey sunscreen with UV filter (B)	1		
12 units "Saving package"				
SPEC-002-012	safety glass (A)	12		

**EpiBOX****Safety goggle**

Frame made of comfortable and soft PVC, glass made of polycarbonate. High protection against impacts, particles, splashes, etc. Fixing self-adjustic elastic band. According to EN 166 CE standards

reference	description	pcs/pack	price/pack	average price/pc
SPEC-003-001	safety goggle	1		
10 units "Saving package"				
SPEC-003-010	safety goggle	10		

**Safety goggle Premium Line, LITE series**

Extremely comfortable, resistant frame. Small, ideal for workers who do not need prescription glasses. Forehead section with air vents. Adjustable headband. Optical lens: class 1, antifog treatment and anti-scratch treatment. Medium-energy impact resistance to high-speed particles, protection against large dust particles > 5 microns, protection against liquid droplets. According to EN 166 CE standards

reference	description	pcs/pack	price/pack
SPEC-004-001	safety goggle, LITE series	1	

**Safety reading glasses Premium Line, WORK&FUN series**

Extremely comfortable, resistant frame. 5 models available. PC lenses with add powers of +1.00 +1.50 +2.00 +2.50 +3.00 diopters and optical lens: class 1. Low-energy impact resistance to high-speed particles. According to EN 166 CE standards. Glasses cord included

reference	diometers	frame color	price/pack	average price/pc
SPEC-D10-001	1	green	1	
SPEC-D15-001	1,5	blue	1	
SPEC-D20-001	2	yellow	1	
SPEC-D25-001	2,5	grey	1	
SPEC-D30-001	3	red	1	

**EpiBOX****Face protector**

Face protector made of polycarbonate with head self-adjusting elastic band. Internal foam strip. Very convenient front and side protection (protector covering 180°). High protection against impacts, particles, splashes, etc. According to EN 166 CE standards

reference	description	pcs/pack	price/pack
FACE-001-001	face protector	1	

### Disposable respirator, FFP1 level

Protection against solid particles and low toxicity liquids in low concentration (according to FFP1 level protection defined by EN149-2001 standards); up to 4 x TLV. Spherical shape with adjustable nose clip

reference	type	pcs/pack	price/pack	average price/pc
MASK-001-020	FFP1 spherical shape without valve	20		
MASK-0V1-010	FFP1 spherical shape with valve	10		

### Disposable respirator, FFP2 level

Protection against solid particles and low or medium toxicity liquids (according to FFP2 level protection defined by EN149-2001 standards); up to 12 x TLV. Available in spherical shape with valve and folded shape without valve

reference	type	pcs/pack	price/pack	average price/pc
MASK-002-010	FFP2 spherical shape with valve	10		
MASK-P02-020	FFP2 folded without valve	20		

### Disposable respirator, with valve, FFP3 level

Protection against solid particles and high toxicity liquids (according to FFP3 level protection defined by EN149-2001 standards); up to 50 x TLV. Folded, with exhalation valve and adjustable nose clip

reference	type	pcs/pack	price/pack	average price/pc
MASK-003-020	FFP3 folded with valve	20		

### Disposable cap

Disposable cap made of white polypropylene, circular shape

reference	type	pcs/pack	price/pack	average price/pc
CAPP-001-100	white color	100		

### Disposable tie-on mask

Tie-on mask, made of 1 single layer of paper with self-adjusting elastic band

reference	type	pcs/pack	price/pack	average price/pc
MASK-000-100	white color	100		

### Disposable visitor coat

Made of polypropylene with pocket on the chest and velcro closure

reference	type	pcs/pack	price/pack	average price/pc
COAP-001-010	one size, white color	10		

### Disposable shoe cover

Made of polyethylene

reference	type	pcs/pack	price/pack	average price/pc
SHOP-001-100	green color	100		
SHOP-002-100	blue color, non-slip soles	100		

### Epibox



### Epibox



### Epibox



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**Epi**box**Lab-coat for women**

With collar flap, closure by 5 buttons and two pockets in the lower side, one on the chest. White color



reference	size	waist girth	chest girth	pcs/pack	price/pack
In 65% polyester/35% cotton					
GOSW-00S-001	S	82 - 88 cm	96 - 102 cm	1	
GOSW-00M-001	M	90 - 96 cm	104 - 110 cm	1	
GOSW-00L-001	L	98 - 104 cm	112 - 118 cm	1	
GOSW-0XL-001	XL	106 - 112 cm	120 - 126 cm	1	
GOSW-0XXL-001	XXL	114 - 120 cm	128 - 134 cm	1	
In 65% polyester/35% cotton, "saving package"					
GOSW-00S-010	S	82 - 88 cm	96 - 102 cm	10	
GOSW-00M-010	M	90 - 96 cm	104 - 110 cm	10	
GOSW-00L-010	L	98 - 104 cm	112 - 118 cm	10	
GOSW-0XL-010	XL	106 - 112 cm	120 - 126 cm	10	
GOSW-0XXL-010	XXL	114 - 120 cm	128 - 134 cm	10	
In 100% cotton					
GOCW-00S-001	S	82 - 88 cm	96 - 102 cm	1	
GOCW-00M-001	M	90 - 96 cm	104 - 110 cm	1	
GOCW-00L-001	L	98 - 104 cm	112 - 118 cm	1	
GOCW-0XL-001	XL	106 - 112 cm	120 - 126 cm	1	
GOCW-0XXL-001	XXL	114 - 120 cm	128 - 134 cm	1	
In 100% cotton, "saving package"					
GOCW-00S-010	S	82 - 88 cm	96 - 102 cm	10	
GOCW-00M-010	M	90 - 96 cm	104 - 110 cm	10	
GOCW-00L-010	L	98 - 104 cm	112 - 118 cm	10	
GOCW-0XL-010	XL	106 - 112 cm	120 - 126 cm	10	
GOCW-0XXL-010	XXL	114 - 120 cm	128 - 134 cm	10	

**Epi**box**Lab-coat for men**

With collar flap, closure by 5 buttons and two pockets in the lower side and one on the chest. White color



reference	size	chest girth	pcs/pack	price/pack
In 65% polyester/35% cotton				
GOSM-00S-001	S	98 - 104 cm	1	
GOSM-00M-001	M	106 - 112 cm	1	
GOSM-00L-001	L	114 - 120 cm	1	
GOSM-0XL-001	XL	122 - 128 cm	1	
GOSM-0XXL-001	XXL	130 - 136 cm	1	
In 65% polyester/35% cotton, "saving package"				
GOSM-00S-010	S	98 - 104 cm	10	
GOSM-00M-010	M	106 - 112 cm	10	
GOSM-00L-010	L	114 - 120 cm	10	
GOSM-0XL-010	XL	122 - 128 cm	10	
GOSM-0XXL-010	XXL	130 - 136 cm	10	
In 100% cotton				
GOCM-00S-001	S	98 - 104 cm	1	
GOCM-00M-001	M	106 - 112 cm	1	
GOCM-00L-001	L	114 - 120 cm	1	
GOCM-0XL-001	XL	122 - 128 cm	1	
GOCM-0XXL-001	XXL	130 - 136 cm	1	
In 100% cotton, "saving package"				
GOCM-00S-010	S	98 - 104 cm	10	
GOCM-00M-010	M	106 - 112 cm	10	
GOCM-00L-010	L	114 - 120 cm	10	
GOCM-0XL-010	XL	122 - 128 cm	10	
GOCM-0XXL-010	XXL	130 - 136 cm	10	

**Laboratory scrub set**

Set of unisex laboratory scrub with long sleeve top. Made of twill (65% polyester/35% cotton), white. Includes a V-neck top with a chest pocket and two waist patch pockets, as well as a pair of elastic waistband pants with 2 Italian pockets. Grammage: 195 g

reference	size	waist girth	pcs/pack	price/pack
LSSS-OXS-001	XS	72 cm	1	
LSSS-00S-001	S	76 - 80 cm	1	
LSSS-00M-001	M	84 - 88 cm	1	
LSSS-00L-001	L	92 - 96 cm	1	
LSSS-0XL-001	XL	100 - 104 cm	1	
LSSS-XXL-001	XXL	108 - 112 cm	1	
LSSS-3XL-001	XXXL	116 - 120 cm	1	
10 units "Saving package"				
LSSS-OXS-010	XS	72 cm	10	
LSSS-00S-010	S	76 - 80 cm	10	
LSSS-00M-010	M	84 - 88 cm	10	
LSSS-00L-010	L	92 - 96 cm	10	
LSSS-0XL-010	XL	100 - 104 cm	10	
LSSS-XXL-010	XXL	108 - 112 cm	10	
LSSS-3XL-010	XXXL	116 - 120 cm	10	

**Nitrile disposable gloves**

Powder-free, non sterile. Nitrile is much more chemical resistant than other kind of disposable gloves commonly used in laboratory, such as latex or vinyl. 100% latex protein free: An alternative to common latex gloves to prevent allergies. Ambidextrous. AQL 1,5. According to 89/686/CEE, EN 420, EN 374 1/2/3 and EN 388 standards

reference	type	pcs/pack	price/pack
Powder-free			
GLON-00S-100	powder free, S (6-7) size	100	
GLON-00M-100	powder free, M (7-8) size	100	
GLON-00L-100	powder free, L (8-9) size	100	
GLON-0XL-100	powder free, XL (9-10) size	100	
10 x 100 Powder-free gloves "Saving package"			
GLON-00S-1K0	powder free, S (6-7) size	10 x 100	
GLON-00M-1K0	powder free, M (7-8) size	10 x 100	
GLON-00L-1K0	powder free, L (8-9) size	10 x 100	
GLON-0XL-1K0	powder free, XL (9-10) size	10 x 100	

**Nitrile disposable gloves "Sensitive"**

Powder-free, non sterile. More sensitive to touch than usual nitrile gloves. With the advantages of nitrile gloves with a more competitive price. 100% latex protein free. Ambidextrous. AQL 1,5. According to 89/686/CEE, EN 420, EN 374 1/2/3 and EN 388 standards

reference	type	pcs/pack	price/pack
Powder-free			
GLOS-00S-100	powder free, S (6-7) size	100	
GLOS-00M-100	powder free, M (7-8) size	100	
GLOS-00L-100	powder free, L (8-9) size	100	
GLOS-0XL-100	powder free, XL (9-10) size	100	
10 x 100 Powder-free gloves "Saving package"			
GLOS-00S-1K0	powder free, S (6-7) size	10 x 100	
GLOS-00M-1K0	powder free, M (7-8) size	10 x 100	
GLOS-00L-1K0	powder free, L (8-9) size	10 x 100	
GLOS-0XL-1K0	powder free, XL (9-10) size	10 x 100	

**Epibox****Epibox****Epibox**



Epi**box****Latex disposable exam gloves**

Available in powdered and powder-free, non sterile. 100% Pure natural latex, natural colour. Ambidextrous. AQL 1.5. According to 89/686/CEE, EN 420 and EN 374 1/2 standards

reference	type	pcs/pack	price/pack
<b>Powdered</b>			
GLOL-PXS-100	powdered, XS (5-6) size	100	
GLOL-P0S-100	powdered, S (6-7) size	100	
GLOL-P0M-100	powdered, M (7-8) size	100	
GLOL-P0L-100	powdered, L (8-9) size	100	
GLOL-PXL-100	powdered, XL (9-10) size	100	
<b>Powder-free</b>			
GLOL-0XS-100	powder free, XS (5-6) size	100	
GLOL-00S-100	powder free, S (6-7) size	100	
GLOL-00M-100	powder free, M (7-8) size	100	
GLOL-00L-100	powder free, L (8-9) size	100	
GLOL-0XL-100	powder free, XL (9-10) size	100	
<b>10 x 100 Powdered gloves "Saving package"</b>			
GLOL-PXS-1K0	powdered, XS (5-6) size	10 x 100	
GLOL-P0S-1K0	powdered, S (6-7) size	10 x 100	
GLOL-P0M-1K0	powdered, M (7-8) size	10 x 100	
GLOL-P0L-1K0	powdered, L (8-9) size	10 x 100	
GLOL-PXL-1K0	powdered, XL (9-10) size	10 x 100	
<b>10 x 100 Powder-free gloves "Saving package"</b>			
GLOL-0XS-1K0	powder free, XS (5-6) size	10 x 100	
GLOL-00S-1K0	powder free, S (6-7) size	10 x 100	
GLOL-00M-1K0	powder free, M (7-8) size	10 x 100	
GLOL-00L-1K0	powder free, L (8-9) size	10 x 100	
GLOL-0XL-1K0	powder free, XL (9-10) size	10 x 100	

Epi**box****Autoclave gloves**

Made of Nomex III fibers (mixture of thermo-resistant and infusible aromatic polyamides) and with no asbestos fibers. With normal service conditions, physical properties stay unchanged under several hours at 260 °C, withstanding as well 370 °C when its degradation starts. When approached to flame, they do not melt, but instead they get scorched making a crust allowing protection. Can be used as well to handle sporadically items stored under nitrogen vapour phase (-180 °C). Resistant to bases, acids and organic products but not to large exposures to some concentrated inorganics acids.

Available in 30 cm long or 52 cm long. According to EN 407 y EN 388 standards

reference	type	pair of gloves	price/pack
GLOT-S30-001	glove shape, small size, 30 cm long	1	
GLOT-M30-001	glove shape, medium size, 30 cm long	1	
GLOT-L30-001	glove shape, large size, 30 cm long	1	
GLOT-S52-001	glove shape, small size, 52 cm long	1	
GLOT-M52-001	glove shape, medium size, 52 cm long	1	
GLOT-L52-001	glove shape, large size, 52 cm long	1	

Epi**box****Anti-acid PVC gloves**

Gloves made of red PVC with smooth finishing. Very good resistance to abrasion, concentrated acids, hydrocarbons, oils and grease. According to EN 388 standards

reference	type	pair of gloves	price/pack
GLOP-035-001	one size, length 40 cm	1	



### Cryogenic gloves

Used to handle items stored under liquid nitrogen or other very cold temperatures (from -120 °C up to -190 °C). Designed in order to leave plenty of space to fingers. Water-resistant. Up to mid-arm, 37 cm long. According to EN 511 and EN 388 standards

reference	type	pair of gloves	price/pack
GLOF-S37-001	up to mid-arm, small size	1	
GLOF-M37-001	up to mid-arm, medium size	1	
GLOF-L37-001	up to mid-arm, large size	1	

### Earmuff

Very light earmuff. Light noise reduction (SNR = 27 db). Adjustable height pads and padded harness. According to EN 352-1 CE standards

reference	type	pcs/pack	price/pack
EARP-001-001	SNR = 27 dB	1	

### Safe-Handle bottle protector

Prevents breakage of 2.5 L glass bottles commonly used for most laboratory reagents and solvents manufacturers. If a bottle does break, it helps contain glass shards and liquid spills, protecting lab personnel. Integrated handle helps in handling and pouring heavy bottles. Easy-to-use mechanism and fully reusable. Important: suitable only for bottle models with smooth external surface (not suitable for bottles with integrated handle)

reference	description	pcs/pack	price/pack
SAFE-001-001	Safe-Handle bottle protector	1	

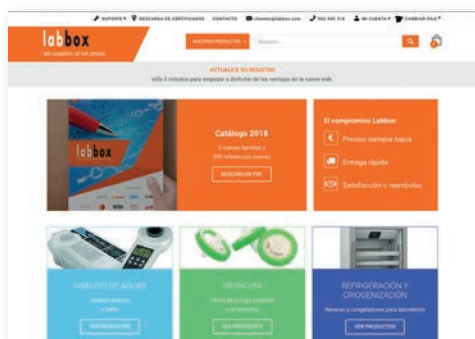
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## WEBSITE LAUNCHED!

A new website with increased product visibility, improved functionality and responsive design

Be sure to visit it...

[www.labbox.com](http://www.labbox.com)



plum



### Eyewash stationary stand

Wall stand with two eyewash bottles, explanatory pictograms for instructions and a small mirror. Specially designed for work areas with eye damage risks by chemical products or foreign bodies. Includes two bottles available separately for sale: one including 500 ml of eyewash liquid (sterile NaCl 0.9%) and one including 200 ml of neutral solution (sterile phosphate buffer 4.9%). Neutral solution is to be used to neutralize quickly acids and bases and must be rinsed with the eyewash solution afterwards. Both bottles have an ergonomic mouth perfectly adapted to the eye, according to CE standards and with expiry date from 2 to 3 years

reference	description	pcs/pack	price/pack
EYES-S01-001	stationary stand eyewash	1	
Spare parts			
EYES-SAL-500	saline solution, 500 ml	1	
EYES-NEU-200	200 ml neutral pH solution	1	

plum



### DUO Eyewash stationary stand

Wall stand with two DUO eyewash bottles, explanatory pictograms for instructions and a small mirror. Specially designed for work areas with eye damage risks by chemical products or foreign bodies. Includes two bottles available separately for sale: one including 500 ml of eyewash liquid (sterile NaCl 0.9%) and one including 200 ml of neutral solution (sterile phosphate buffer 4.9%). Neutral solution is to be used to neutralize quickly acids and bases and must be rinsed with the eyewash solution afterwards. The DUO bottles are equipped with a special eye device that allows rinsing of both eyes at the same time, according to CE standards and with expiry date from 2 to 3 years

reference	description	pcs/pack	price/pack
EYED-S01-001	DUO eyewash stationary stand	1	
Spare parts			
EYED-SAL-1K0	saline solution, 1000 ml, DUO bottle	1	
EYED-NEU-500	500 ml neutral pH solution, DUO bottle	1	

NEW


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### Absorbent powder for spilled liquids AUX - Auxiliary grade

Naturally occurring absorbent particles specially designed to absorb all kinds of spills or leaks that occur inside or outside in protected areas of the wind. Mineral sepiolite 30/60 assay > 65%, max. bulk density 720 g/l, min. water absorption 110% and min. oil absorption 65%.

INSTRUCTIONS: Add the granules on the spilled liquid, wait a few minutes until the liquid is completely absorbed and collect it with a shovel. For further information, see Specification Sheet at [www.labbox.com](http://www.labbox.com)




reference	package	price/pack
ABSU-00P-1K0	 1 kg	
ABSU-00P-5K0	 5 kg	

labkem



### Detergents for laboratory use, for manual cleaning




Recommended for manual use, soaking and ultrasonic cleaning of glassware and laboratory equipment made of stainless steel, porcelain, ceramic and plastic. LABKEM CLEANER is biodegradable and ensures complete removal: grease, oils, blood, cell tissue, chemicals and biological residues, etc. Complete rinse without residues. See Specification Sheet to consult the composition and other information (to be downloaded at [www.labbox.com](http://www.labbox.com))

reference	description	package	price/pack
SOAP-066-5K0	Labkem cleaner M66 Alkaline liquid detergent	 5 L	
SOAP-067-5K0	Labkem cleaner M67 Alkaline liquid detergent, Phosphate free	 5 L	
SOAP-068-5K0	Labkem cleaner M68 Neutral liquid detergent	 5 L	

### Detergents for laboratory use, for automatic washing machine


Recommended for use in laboratory glassware washers, washers-sterilizers, spray washers. LABKEM CLEANER is used to clean glassware, instruments and items made of stainless steel, plastic, ceramic and porcelain. It efficiently removes grease, silicon oil, blood, cell cultures, chemical and biological residues. Complete rinse without residues. See Specification Sheet to consult the composition and other relevant information (to be downloaded at [www.labbox.com](http://www.labbox.com)).

**Caution: SOAP-107-5K0 - Dangerous chemical product (UN 1824).** Due to shipping restrictions or local/national regulations, this product may not be available in all countries or for some particular customers. For more information, please contact our Customer Service

reference	description	package	price/pack
SOAP-102-5K0	Labkem cleaner A102 Alkaline liq. detergent, Phosphate free	 5 L	
SOAP-106-5K0	Labkem cleaner A106 Neutral liquid detergent, Phosphate free	 5 L	
SOAP-107-5K0	Labkem cleaner A107 Alkaline powder detergent	 4,5 kg	







### Rinsing agent, for automatic washing machine

Acidic neutralizing agent - surfactant free for use in laboratory glassware washers. LABKEM RINSE AGENT A103 is biodegradable and is used in the neutralizing cycle after the main alkaline washing cycle with LABKEM CLEANER A102. It neutralizes and removes residual alkaline and mineral traces which may cause white stains on glassware. LABKEM RINSE AGENT A103 can also be used in the prewash cycle. Complete rinse without residues. See Specification Sheet to consult the composition and other relevant information (to be downloaded at [www.labbox.com](http://www.labbox.com))

reference	description	package	price/pack
SOAP-103-5K0	labkem rinse agent A103	 5 L	

### Disinfectants for laboratories

Disinfectants for surfaces, material and laboratory equipment. 3 varieties available for different types of laboratories: General, Medical and Molecular Biology. **DSNF-GFS-750** - GERMfree solution for disinfection of instruments and surfaces in general. **DSNF-MYS-250** - MYCOPLASMAfree solution for particularly active disinfection of mycoplasma and a wide variety of microorganisms. **DSNF-ZDS-250** - ZERO DNA solution for cleaning contaminating DNA and RNA particles of examinations, samples and tests in PCR assays. Complete rinse without residues. See Specification Sheet to consult the composition and other relevant information (to be downloaded at [www.labbox.com](http://www.labbox.com))

reference	description	package	price/pack
DSNF-GFS-750	GERMfree solution	 750 ml	
DSNF-GFR-750	GERMfree refill	 750 ml	
DSNF-MYS-250	MYCOPLASMAfree solution spray	 250 ml	
DSNF-MYR-500	MYCOPLASMAfree refill	 500 ml	
DSNF-ZDS-250	ZERO DNA solution spray	 250 ml	
DSNF-ZDR-500	ZERO DNA refill	 500 ml	

### Draining rack

PVC coated wire. Can be hanged or placed upon a table. Includes a water collection tray

reference	type	h (mm)	w (mm)	base (mm)	pcs/pack	price/pack
DRAI-055-001	55 pos.	650	360	360 x 130	1	

### Wall draining rack for labware

Made of ABS and polycarbonate. To be used hanging on the wall. Bottom of the rack is provided with a tray which collects all the waste water with drain outlet to facilitate emptying

reference	type	h (mm)	w (mm)	pcs/pack	price/pack
DRAI-P20-001	20 pos	460	350	1	

### labkem



### labkem



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astik's

### Test tube basket

Made of polypropylene. Autoclavable at 121°C

reference	h (mm)	l (mm)	w (mm)	pcs/pack	price/pack
TTBP-001-001	140	120	110	1	
TTBP-002-001	160	160	160	1	

### Waste disposal bag resistant to autoclave, HDPE

Made of polyethylene (HDPE). Transparent. Perfect for the sterilization and disposal of hazardous and contaminated labware. Thickness: 0,03 mm

reference	capacity	dimensions (mm)	pcs/pack	price/pack	average price/pc
WABS-300-100	8 L	300 x 500	100		
WABS-400-100	38 L	400 x 780	100		
WABS-600-100	60 L	600 x 800	100		
"Saving package"					
WABS-300-2K0	8 L	300 x 500	20 x 100		
WABS-400-1K0	38 L	400 x 780	10 x 100		
WABS-600-500	60 L	600 x 800	5 x 100		



astik's

### Waste disposal bag resistant to autoclave, PP

Made of polypropylene (PP), autoclavable at 134°C. Perfect for the sterilization and disposal of hazardous and contaminated labware. For autoclaving, the bag must not be completely closed. Thickness: 0,05 mm

reference	capacity	dimensions (mm)	pcs/pack	price/pack	average price/pc
WABP-300-100	8 L	300 x 500	100		
WABP-400-100	38 L	400 x 780	100		
WABP-600-100	60 L	600 x 800	100		
"Saving package"					
WABP-300-1K5	8 L	300 x 500	15 x 100		
WABP-400-600	38 L	400 x 780	6 x 100		
WABP-600-300	60 L	600 x 800	3 x 100		



bb

### Stainless steel wire basket

Designed for transporting, storing, cleaning and sterilising laboratory utensils. Excellent chemical resistance. Both models round and square comes with folding handle, and the square model comes also with lid

reference	external dimensions (length x width x height)	type	pcs/pack	price/pack
BASS-R15-001	Ø150 x h120 mm	round	1	
BASS-R21-001	Ø210 x h180 mm	round	1	
BASS-R24-001	Ø240 x h180 mm	round	1	
BASS-R30-001	Ø300 x h200 mm	round	1	
BASS-S16-001	160 x 160 x 160 mm	square	1	
BASS-S20-001	200 x 200 x 200 mm	square	1	
BASS-S30-001	300 x 200 x 150 mm	square	1	



bb

### Burette brushes

Natural bristle hand on twisted galvanized iron wire stem

reference	l <sub>total</sub> (mm)	Ø <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs/pack	price/pack
BRU3-005-001	800	25	150	natural bristle	1	



NEW

### Test tube brushes

White nylon or natural bristle hand on twisted galvanised iron wire stem

reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs/pack	price/pack	average price/pc
BRU1-002-002	120	6	40	nylon (A)	2		
BRU3-001-001	170	17	55	natural bristle (B)	1		
BRU3-002-001	200	25	75	natural bristle (C)	1		
BRU3-003-001	240	35	70	natural bristle (D)	1		

### Brushes for general purposes

Natural bristle hand on twisted galvanised iron wire stem

reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs/pack	price/pack
BRU4-001-001	280	40	80	natural bristle (A)	1	
BRU4-002-001	310	50	100	natural bristle (B)	1	
BRU4-003-001	355	50	110	natural bristle (C)	1	
BRU4-004-001	600	70	150	natural bristle (D)	1	

### Brush for special purposes

Natural bristle

reference	l <sub>total</sub> (mm)	∅ <sub>brush</sub> (mm)	l <sub>brush</sub> (mm)	type	pcs/pack	price/pack
BRU2-001-001	380	16	120	natural bristle, for big beakers (A)	1	
BRU2-003-001	580	40	220	natural bristle, for round bottom flasks (B)	1	

### Set of 9 assorted brushes

Includes brushes for general use and test tubes of different sizes in nylon and natural bristle

reference	type	pcs/pack	price/pack
BRU1-KIT-001	9 assorted brushes	1	

### Industrial work cellulose paper

Double layer. Embossing and precut. Ideal for basic drying tasks. 475 m (1610 sheets)

reference	∅ <sub>hole</sub>	wide	weight	pcs/pack	price/pack	average price/pc
IWCP-001-002	7 cm	26 cm	4,5 Kg	2		

### Dry hands cellulose paper, multipurpose

Double laminated layer. Embossing and precut. Ideal for basic drying tasks. 130 m (440 sheets)

reference	∅ <sub>hole</sub>	wide	long	weight	pcs/pack	price/pack	average price/pc
DHCP-001-006	7 cm	20 cm	130 m	800 g	6		

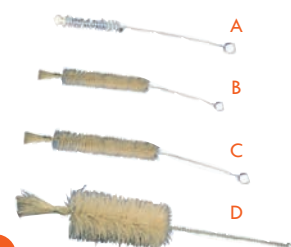
NEW

### Cellulose Tissues

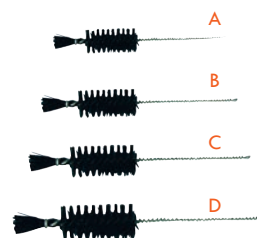
Double layer. 100% cellulose. 100 service dispenser box. Suitable for all types of environments

reference	l (mm)	w (mm)	surface weight	pcs/pack	price/pack
CELT-001-001	210	200	32 g	1	

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# LABORATORY CHEMICALS AND REAGENTS **labkem**

## Range of products

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**BASICHEM** Chemicals in general use in laboratories. It includes the following grades:

- AGR** – **Analytical Grade**: for analytical applications with low impurity level (on the order of ppm), according ACS or ISO standards
- EPR** – **Extra Pure**: for ORGANIC SYNTHESIS, CHEMICAL PREPARATIVE or ROUTINE ANALYSIS applications.
- GLR** – **General Laboratory Reagent**: for general use.
- VSA** – **Volumetric Solution for Analysis**: used in volumetric analysis, mostly ACID-BASE.
- IND** – **Indicator**: INDICATORS for volumetric titrations.
- AUX** – **Auxiliary Grade**: auxiliary products for laboratory uses.

**LIFEKEM** Products for biological and microbiological applications. It includes the following grades:

- MIC** – **Microscopy Grade**: DYES and STAINS in powder or ready to use in microscopy and histology applications.
- HIS** – **Histology Grade**: to use in the field of pathology.
- BAC** – **Bacteriology Grade**: culture media, bases, broths and ingredients for bacteriological applications.
- GEN** – **Molecular Genetic Grade**: culture media, bases and agaroses for MOLECULAR BIOLOGY applications.

**CERTIKEM** Standard solutions for instrument calibration. It includes a single grade:






















- STD** – **Standard grade**: products for calibration of instruments. It includes pH and CONDUCTIVITY

**INSTRUKEM** High performance products for GC, HPLC, LC-MS and ICP. It includes the following grades:

- GGR** – **Gradient Grade**: high performance solvents for HPLC (High Pressure Liquid Chromatography).
- PGR** – **Pesticide Grade**: solvents for PESTICIDE ANALYSIS.
- LGR** – **LC/MS Grade**: ultra-high performance solvents for LC-MS (Liquid Chromatography – Mass Spectrometry).
- TGR** – **Trace Grade**: very high purity ACIDS, with an impurity level on the order of 0,1-1 ppb, for sample preparation for TRACE ANALYSIS by ICP-MS/OES (Inductively Coupled Plasma – Mass Spectrometry / Optical Emission Spectrometry).

## Packing

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	plastic bottle GL45		plastic twin neck		COEX plastic bottle
	plastic bottle		Bag in Box PET/Al		plastic Bag
	glass bottle GL45		glass bottle PP28		COEX plastic jerrycan
	glass bottle		metal can		plastic pail
	plastic dropper bottle		glass dropper bottle		vial
	plastic ampoule		specimen Container		bag
	aluminium container		plastic jerrycan		zipper bag



**CHEMICALS**



Absorbent powder see p. 222

## Acetic acid glacial

labkem

CAS: 64-19-7 MW: 60,05 EC: 200-580-7 TARIC code: 29152100

**CH<sub>3</sub>COOH**

ADR: 8(3) CF1 II UN 2789 IMDG: 8(3) II UN 2789 IATA: 8(3) II UN 2789



Acetic acid glacial 99.5% <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price	
App. Colourless clear liquid Assay > 99.5% Density at 20°C approx. 1.049 -	approx. 1.049 Res. on evap. < 0.005% Cl <sup>-</sup> < 0.0002%	SO <sub>4</sub> < 0.0005% Heavy metals (Pb) < 0.0002% Fe < 0.0005%	ACAC-G0P-1K0	1 L	
			ACAC-G0P-2K5	2,5 L	
			ACAC-G0P-5K0	5 L	

Acetic acid glacial 99.5% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.5% Acetaldehyde < 0.01% Subst. red. KMnO <sub>4</sub> < 0.02%	Cl <sup>-</sup> < 0.0001% Density at 20°C 1.049 - 1.052g/ml Res. on evap. < 0.002%	Fe < 0.00006% SO <sub>4</sub> < 0.0002% Heavy metals (Pb) < 0.0001%	ACAC-GGA-1K0	1 L	
			ACAC-GGA-2K5	2,5 L	

Acetic acid glacia 99.8% <b>AGR</b> ACS, ISO, Ph. Eur.	<b>BASICEM</b>	reference	packaging	price		
Assay > 99.8% Non-Vol. Mat. < 0.0005% Ag < 0.000001% Al < 0.000005% As < 0.000001% Ba < 0.000001% Be < 0.000001% Bi < 0.00001% Ca < 0.00002% Cd < 0.000005% Co < 0.000001%	Cr < 0.000002% Cu < 0.000001% Fe < 0.00001% Ge < 0.000005% K < 0.00001% Li < 0.000001% Mg < 0.00001% Mn < 0.000001% Mo < 0.000002% Na < 0.00005% Ni < 0.000002%	Pb < 0.000002% Sr < 0.000001% Ti < 0.00001% Tl < 0.000005% V < 0.000001% Zn < 0.000005% Zr < 0.00001% Cl <sup>-</sup> < 0.00005% PO <sub>4</sub> < 0.00005% SO <sub>4</sub> < 0.00005% Acetaldehyde < 0.0002%	Acetic anhydride < 0.01% Indif. to CrO <sub>3</sub> Passes test Subst. red. KMnO <sub>4</sub> < 0.002% H <sub>2</sub> O < 0.15% Colour (Hazen) < 5 Res. on evap. < 0.001% Heavy met. < 0.00005% Alkalinity < 0.0004meq/g	ACAC-GIA-1K0	1 L	
				ACAC-GIA-2K5	2,5 L	
				ACAC-GIA-P04	4x2,5 L	

## Acetic acid, volumetric solution

labkem

CAS: 64-19-7 MW: 60,05 EC: 200-580-7 TARIC code: 29152100

**CH<sub>3</sub>COOH**

Acetic acid, volumetric solution 0.1 M (0.1 N) <b>VSA</b>	<b>BASICEM</b>	reference	packaging	price
Concentration 0.0996 - 0.1004M		ACAC-01V-1K0	1 L	

Acetic acid, volumetric solution 1 M (1 N) <b>VSA</b>	<b>BASICEM</b>	reference	packaging	price
Concentration 0.996 - 1.004M		ACAC-1V0-1K0	1 L	

## Acetic anhydride

labkem

CAS: 108-24-7 MW: 102,08 EC: 203-564-8 TARIC code: 29152400 Restriction: Drugs Precursors Cat. 2

**(CH<sub>3</sub>CO)<sub>2</sub>O**

ADR: 8 II UN 1715 IMDG: 8 II UN 1715 IATA: 8 II UN 1715



Acetic anhydride <b>AGR</b> ACS, ISO, Ph. Eur.	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% Non-Vol. Mat. < 0.003% Al < 0.0005% B < 0.000002% Ba < 0.00001% Ca < 0.00005% Cd < 0.000005% Co < 0.000002%	Cr < 0.000002% Cu < 0.000002% Fe < 0.00001% Mg < 0.00001% Mn < 0.000002% Ni < 0.000002% Pb < 0.00001% Sn < 0.00001%	Zn < 0.00001% Cl <sup>-</sup> < 0.0002% PO <sub>4</sub> < 0.001% SO <sub>4</sub> < 0.0005% Subst. red. KMnO <sub>4</sub> < 0.01% Res. on evap. < 0.003% Heavy metals (Pb) < 0.00002%	ACAN-00A-1K0	1 L	

## Acetone

labkem

CAS: 67-64-1 MW: 58,08 EC: 200-662-2 TARIC code: 29141100 Restriction: Drugs Precursors Cat. 3

CH<sub>3</sub>COCH<sub>3</sub>

ADR: 3 F1 II UN 1090 IMDG: 3 II UN 1090 IATA: 3 II UN 1090

Acetone 99.6% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Clear liquid Colour (Hazen) < 10 H <sub>2</sub> O < 0.3% Acid. (Acetic acid) < 0.002%	Assay > 99.6% Benzene < 0.0005% Mesityl Oxide < 0.005% Cumene < 0.005%	Diacetone alcohol < 0.015% Density at 15°C 0.796 - 0.798g/ml Boiling range 55.8 - 56.6°C Non-Vol. Mat. < 0.0015%	ACET-P0P-1K0	1 L	
			ACET-G0P-1K0	1 L	
			ACET-P0P-5K0	5 L	
			ACET-P0P-10K	10 L	
			ACET-M0P-25K	25 L	

Acetone 99.5% <b>AGR</b> ACS, ISO, Ph. Eur.	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% Free Acid < 0.002% Free Alkalinity < 0.001% Water < 0.2% EtOH < 0.01% Formaldehyde < 0.0002%	Subst. red. KMnO <sub>4</sub> < 0.00025% Methanol < 0.01% Res. on evap. < 0.001% Ni < 0.000005% Fe < 0.00001% Cu < 0.000001%	Mn < 0.000001% Co < 0.000005% Mg < 0.00001% Pb < 0.000001% Zn < 0.000001%	ACET-0IA-1K0	1 L	
			ACET-0IA-2K5	2,5 L	
			ACET-0IA-P04	4x2,5 L	
			ACET-0IA-5K0	5 L	

Acetone HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price	
ACS Spec. passes test UV spectrophotometry UV-Abs. max. lim. (330 nm) < 1.00 UV-Abs. max. lim. (340 nm) < 0.06 UV-Abs. max. lim. (350 nm) < 0.01 UV Cutoff < 330nm	Assay > 99.7% Colour (Hazen) < 10 Water (KF) < 0.25% Res. on evap. < 0.0001% Tit. acid < 0.0003mEq/g Tit. base < 0.0006mEq/g	Solub. in H <sub>2</sub> O passes test Subst. red. KMnO <sub>4</sub> passes test Aldehydes < 0.002% Methanol < 0.05% 2-Propanol < 0.05%	ACET-0GH-2K5	2,5 L	
			ACET-0GH-P04	4x2,5 L	

Acetone Pesticide Grade <b>PGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.5% Water (KF) < 0.5%	Colour (Hazen) < 10 Non-Vol. Mat. < 0.0005%	ACET-0GC-2K5	2,5 L	
		ACET-0GC-P04	4x2,5 L	

## Acetonitrile

labkem

CAS: 75-05-8 MW: 41,05 EC: 200-835-2 TARIC code: 29269095

CH<sub>3</sub>CN

ADR: 3 F1 II UN 1648 IMDG: 3 II UN 1648 IATA: 3 II UN 1648

Acetonitrile GC / HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price	
ACS Spec. passes test UV spectrophotometry UV-Abs. max. lim. (190 nm) < 1.00 UV-Abs. max. lim. (195 nm) < 0.15 UV-Abs. max. lim. (200 nm) < 0.05 UV-Abs. max. lim. (205 nm) < 0.04	UV-Abs. max. lim. (210 nm) < 0.02 UV-abs. max. lim. (220 nm) < 0.01 UV-Abs. max. lim. (254 nm) < 0.009 UV Cutoff < 190nm LC Grad. Suit. Grad. Elut. test passes test	Assay > 99.9% Colour (Hazen) < 10 H <sub>2</sub> O (by KF) < 0.01% Res. on evap. < 0.0001% Tit. acid < 0.008mEq/g Tit. base < 0.0006mEq/g	ACTN-0GH-2K5	2,5 L	
			ACTN-0GH-P04	4x2,5 L	

Acetonitrile LC/MS <b>LGR</b>	<b>INSTRUKEM</b>	reference	packaging	price	
Assay > 99.9% Water (KF) < 0.01% Colour (Hazen) < 10 Alkal. (Ammonia) < 0.0006% Acid. (Acetic acid) < 0.0008% Res. on evap. < 0.0001% Ni < 0.000002% Ba < 0.00001% Fe < 0.00001% Al < 0.00005%	Ca < 0.00001% Cr < 0.000002% Cu < 0.000002% Mn < 0.000002% Co < 0.000002% Mg < 0.0001% Na < 0.00001% K < 0.00001% Pb < 0.00001% Cd < 0.000005%	Ag < 0.00001% Sn < 0.00001% Zn < 0.00001% Grad. elut. H. Peak (210 nm) < 0.0005AU Grad. elut. H. Peak (254 nm) < 0.0002AU T195nm > 78% T200nm > 90% T220nm > 98% T240nm > 99% LC Grad. Suit. Passes test	ACTN-LCM-2K5	2,5 L	
			ACTN-LCM-P04	4x2,5 L	



PRODUCT OF LOW SHELF LIFE, please read carefully information regarding the expiring date on the label



GRADES and FAMILIES information on p. 226



Agar bases for microbiological culture see p. 21

Agars for microbiological culture see p. 21

Agaroses see p. 12

### Aluminium nitrate nonahydrate

labkem

CAS: 7784-27-2 MW: 375,13 EC: 236-751-8 TARIC code: 28342980

 $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ 

ADR: 5.1 O2 III UN 1438 IMDG: 5.1 III UN 1438 IATA: 5.1 III UN 1438



Aluminium nitrate nonahydrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay 98.5 - 101% Insol. matter < 0.01% pH (5%, 20°C) 2.5 - 3.5	Ca + K + Na < 0.03% Cl <sup>-</sup> < 0.001% SO <sub>4</sub> < 0.005%	Fe < 0.004% Heavy metals (Pb) < 0.0005%	ALNA-09A-500	500 g	

### Aluminium potassium sulfate dodecahydrate

labkem

CAS: 7784-24-9 MW: 474,39 EC: 233-141-3 TARIC code: 28333000

 $\text{AlK}_2\text{S}_2\text{O}_{12} \cdot 12\text{H}_2\text{O}$ 

Aluminium potassium sulfate dodecahydrate <b>EPR</b> Grade Reag.Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
Assay 99 - 100.5% App. Conforms Identif. A and B and C Conforms	App. of sol. Clear and colourness pH (1/10) 3 - 5 NH <sub>4</sub> < 0.2%	Fe < 0.01% Heavy metals (Pb) < 0.002%	ALPS-12P-500 ALPS-12P-1K0	500 g 1 kg	

Aluminium potassium sulfate dodecahydrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
App. Colourless crystals or white powder Assay > 99.5% Insol. matter < 0.005%	pH (5%, 20°C) 3.0 - 3.5 Cl <sup>-</sup> < 0.0005% NH <sub>4</sub> < 0.005% As < 0.00005%	Cd < 0.0003% Cu < 0.0003% Fe < 0.001% Na < 0.02%	Pb < 0.0004%	ALPS-12A-500	500 g

### Aluminium powder

labkem

CAS: 7429-90-5 MW: 26,98 EC: 231-072-3 TARIC code: 76031000

Al

ADR: 4.3 W2 II UN 1396 IMDG: 4.3 II UN 1396 IATA: 8 II UN 1789



Aluminium powder <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 98.0% Si < 0.1% N Comp. (N) < 0.001%	Insol. in dil. HCl < 0.005% Ti < 0.03% Fe < 0.5%	Cu < 0.02% Mn < 0.02%	ALPW-00P-250	250 g	

### Aluminium sheet

labkem

CAS: 7429-90-5 MW: 26,98 EC: 231-072-3 TARIC code: 90230010

Al

ADR: 9 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077



Aluminium sheet 100 x 30 x 1 mm <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price
Approx. dim. 100 x 30 x 1 mm		ALST-L01-010	10 un.	

### Aluminium sulfate 18-hydrate

labkem

CAS: 7784-31-8 MW: 666,42 EC: 233-135-0 TARIC code: 28332200

 $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$ 


Aluminium sulfate 18-hydrate <b>AGR</b> ACS, BP	<b>BASICEM</b>	reference	packaging	price	
Assay 98 - 102% Insol. matter < 0.01% Reaction (pH) > 2.5 Subst. not pptd. by NH <sub>4</sub> < 0.2%	Cl <sup>-</sup> < 0.001% NH <sub>4</sub> < 0.002% Fe < 0.002% Heavy metals (Pb) < 0.001%	Ca < 0.01% Na < 0.02% K < 0.005%	ALSU-18A-500	500 g	

## 4-Aminophenol

labkem

CAS: 123-30-8 MW: 109,13 EC: 204-616-2 TARIC code: 29222900

 $H_2NC_6H_4OH$ 

ADR: 6.1 T2 III UN 2512 IMDG: 6.1 III UN 2512 IATA: 6.1 III UN 2512



4-Aminophenol <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 98% Melt. range 185 - 189°C	App./colour: White to cream to beige to light brown crystals or granules or powder	AMPH-00P-250	250 g	

## Ammonia solution

labkem

CAS: 1336-21-6 MW: 17,03 EC: 215-647-6 TARIC code: 28142000

 $NH_3$ 

ADR: 8 C5 III UN 2672 IMDG: 8 III UN 2672 IATA: 8 III UN 2672



Ammonia solution 20% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 19.5 - 20.5 $CO_3 < 0.002\%$ Ca + Mg < 0.0002% $PO_4 < 0.0001\%$	Cl <sup>-</sup> < 0.0001% Subst. red. $KMnO_4 < 0.0008\%$ S < 0.0003% Fe < 0.000025%	Heavy metals (Pb) < 0.00005% Non-Vol. Mat. < 0.003%	AMMO-20A-1K0 1 L	

Ammonia solution 25% <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 24 - 28% $CO_3 < 0.003\%$ Ca+Mg (Ca) < 0.0004% Cl <sup>-</sup> < 0.0002%	S < 0.001% $PO_4 < 0.0005\%$ Subst. red. $KMnO_4 < 0.0008\%$ Fe < 0.0001%	Non-Vol. Mat. < 0.005% Heavy metals (Pb) < 0.0002%	AMMO-25P-1K0 1 L AMMO-25P-5K0 5 L	

Ammonia solution 25% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 24 - 28% Carbonates ( $CO_3$ ) < 0.002% Ca + Mg < 0.0002% Subst. red. $KMnO_4 < 0.0008\%$	Cl <sup>-</sup> < 0.0001% $PO_4 < 0.0001\%$ S < 0.0003% Res. on evap. < 0.003%	Fe < 0.000025% Heavy metals (Pb) < 0.00005%	AMMO-25A-1K0 1 L AMMO-25A-2K5 2,5 L	

Ammonia solution 25% <b>AGR</b> , ISO, Ph.Eur.	<b>BASICHEM</b>	reference	packaging	price
Assay > 25% Au < 0.00001% Ga < 0.000002% Cl <sup>-</sup> < 0.00005% $PO_4 < 0.00005\%$ S < 0.0002% Bi < 0.00001% Ni < 0.000005% $SO_4 < 0.0002\%$ Res. on evap. < 0.002% In < 0.000002% Ba < 0.00001%	Fe < 0.00001% Ca < 0.0001% Cr < 0.000005% Cu < 0.00001% Mn < 0.00001% Co < 0.00001% Li < 0.000002% Mg < 0.00005% Na < 0.0001% K < 0.0001% Mo < 0.00001% Pb < 0.000005%	Sr < 0.0001% Cd < 0.000005% Pt < 0.00001% Ti < 0.00001% Ag < 0.000002% Tl < 0.000005% Sn < 0.00001% CO <sub>3</sub> < 0.001% Zn < 0.00001% Subst. red. $KMnO_4 < 0.0005\%$	AMMO-25I-1K0 1 L	

Ammonia solution 30% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 30 - 32% $CO_3 (CO_2) < 0.002\%$ Ca + Mg < 0.0002%	Cl <sup>-</sup> < 0.0001% $PO_4 < 0.0001\%$ S < 0.0003%	Fe < 0.000025% Heavy metals (Pb) < 0.00005% Non-Vol. Mat. < 0.003%	AMMO-30A-1K0 1 L AMMO-30A-2K5 2,5 L	

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)

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## Ammonium acetate

labkem

CAS: 631-61-8 MW: 77,08 EC: 211-162-9 TARIC code: 29152900






Ammonium acetate <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 96.5% pH (5%) 6.7 - 7.3	Cl <sup>-</sup> < 0.001% Fe < 0.001%	SO <sub>4</sub> < 0.005%	AMAC-00P-1K0	 1 kg	
Ammonium acetate <b>AGR</b> ACS	<b>BASICEM</b>	reference	packaging	price	
Assay > 98% Insol. matter < 0.005% pH (5%, 25°C) 6.7 - 7.3 PO <sub>4</sub> < 0.0005%	Cl <sup>-</sup> < 0.0005% NO <sub>3</sub> < 0.001% SO <sub>4</sub> < 0.001% Fe < 0.0005%	Heavy metals (Pb) < 0.0005% Ash < 0.01% Subst. red. KMnO <sub>4</sub> < 0.005% H <sub>2</sub> O < 2.0%	AMAC-00A-500	 500 g	

## Ammonium chloride

labkem

CAS: 12125-02-9 MW: 53,49 EC: 235-186-4 TARIC code: 28271000

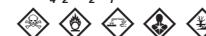
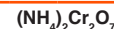


Ammonium chloride <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
App. White crystals or powder Assay (dried subst.) > 99.0% Insol. matter < 0.02% pH (5%) 4.5 - 6.0	Ash (SO <sub>4</sub> ) < 0.05% SO <sub>4</sub> < 0.01% PO <sub>4</sub> < 0.002% Heavy metals (Pb) < 0.002%	Organic subst. passes test Ca < 0.004% Fe (III) < 0.001% Mg < 0.0025%	AMCH-00P-1K0	 1 kg	
Ammonium chloride <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.5% ClO <sub>3</sub> < 0.0005% Insol. matter < 0.005% Br and I <sup>-</sup> < 0.001%	SCN < 0.005% NO <sub>3</sub> < 0.0006% PO <sub>4</sub> < 0.001% Fe (III) < 0.0005%	SO <sub>4</sub> < 0.002% Ash (SO <sub>4</sub> ) < 0.05% Heavy metals (Pb) < 0.0005%	Organic subst. Passes test Ca < 0.001% Mg < 0.001% As < 0.00005%	AMCH-00A-500 AMCH-00A-1K0	 500 g  1 kg

## Ammonium dichromate watered

labkem

CAS: 7789-09-5 MW: 252,07 EC: 232-143-1 TARIC code: 28415000



ADR: 5.1 O2 II UN 1439 IMDG: 5.1 II UN 1439 IATA: 5.1 II UN 1439


Ammonium dichromate watered (0.5-3% H <sub>2</sub> O) <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% insol. in water < 0.005% pH	Cl <sup>-</sup> < 0.005% SO <sub>4</sub> < 0.01% Ca < 0.005%	Cu < 0.005% Fe < 0.002% K < 0.05%	Mg < 0.002% Na < 0.005% Pb < 0.005%	AMDC-W0A-500	 500 g

## Ammonium heptamolybdate tetrahydrate

labkem

CAS: 12054-85-2 MW: 1235,86 EC: 234-722-4 TARIC code: 28417000

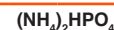



Ammonium heptamolybdate tetrahydrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% App. White crystals Insol. matter < 0.01% Odour ammoniacal	Cl <sup>-</sup> < 0.001% PO <sub>4</sub> SiO <sub>2</sub> (PO <sub>4</sub> ) < 0.001% NO <sub>3</sub> < 0.002% SO <sub>4</sub> < 0.005%	Fe < 0.001% Cu < 0.001% Pb < 0.001%	AMHM-04A-250	 250 g	

## di-Ammonium hydrogen phosphate

labkem

CAS: 7783-28-0 MW: 132,05 EC: 231-987-8 TARIC code: 31053000





di-Ammonium hydrogen phosphate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% Insol. matter < 0.005% pH (5%, 20°C) 7.8 - 8.2 Cl <sup>-</sup> < 0.0005%	Fe (III) < 0.001% NO <sub>3</sub> < 0.001% Heavy metals (Pb) < 0.0005% SO <sub>4</sub> < 0.005%	Na < 0.01% K < 0.01% As < 0.0001%	AMPB-00A-1K0	 1 kg	

## Ammonium iron (II) sulfate hexahydrate

labkem

CAS: 7783-85-9 MW: 392,14 EC: 233-151-8 TARIC code: 28429080




Ammonium iron (II) sulfate hexahydrate	EPR	BASICHEM	reference	packaging	price	
Assay 98 - 101%	Insol. matter < 0.01%	PO <sub>4</sub> < 0.005%	Cl <sup>-</sup> < 0.005%	AMIS-06P-1K0	 1 kg	
Ammonium iron (II) sulfate hexahydrate	AGR	ACS, USP, NF	BASICHEM	reference	packaging	price
App. Greenish blue crystals / crystalline powder	Ca < 0.005%	Cu < 0.003%	K < 0.002%	AMIS-06A-500	 500 g	
Assay 99.0 - 101.5%	Fe (III) < 0.01%	Mn < 0.01%	Na < 0.02%			
Insol. matter < 0.01%	Mg < 0.002%		Subst. not pptd. by NH <sub>3</sub> < 0.05%			
PO <sub>4</sub> < 0.003%			Zn < 0.003%			

## Ammonium iron (III) sulfate dodecahydrate

labkem

CAS: 7783-83-7 MW: 482,19 EC: 233-382-4 TARIC code: 28333000



Ammonium iron (III) sulfate dodecahydrate	AGR	ACS, USP, NF	BASICHEM	reference	packaging	price
Assay 98.50 - 102.00%	NO <sub>3</sub> < 0.01%	Cu < 0.003%	Zn < 0.003%	AMIS-12A-500	 500 g	
App. Pale violet crystals	Ca < 0.01%	Subst. not pptd. by ammonia < 0.05%				
Insol. matter < 0.01%	Mg < 0.005%					
Cl <sup>-</sup> < 0.001%	K < 0.005%					
Ferrous ion Passes test	Na < 0.02%					

## Ammonium nitrate


labkem

CAS: 6484-52-2 MW: 80,04 EC: 229-347-8 TARIC code: 31051000



ADR: 5.1 III UN 1942 IMDG: 5.1 III UN 1942 IATA: 5.1 III UN 1942



Ammonium nitrate	AGR	BASICHEM	reference	packaging	price
App. White crystals or powder	NO <sub>2</sub> < 0.0004%	Moisture < 2.0%	AMNA-00A-500	 500 g	
Assay > 99.5%	Cl <sup>-</sup> < 0.001%	As < 0.00005%			
pH (5%, 20°C) 4.5 - 6	PO <sub>4</sub> < 0.0005%	Nueva línea < 0.003%			
Res. on roast. < 0.02%	SO <sub>4</sub> < 0.005%	Fe < 0.0002%			
Insol. matter < 0.005%	Heavy metals (Pb) < 0.0003%	Mg < 0.0025%			

## di-Ammonium oxalate hydrate


labkem

CAS: 6009-70-7 MW: 142,11 EC: 214-202-3 TARIC code: 29171100



ADR: 6.1 T2 III UN 2811 IMDG: 6.1 III UN 2811 IATA: 6.1 III UN 2811



di-Ammonium oxalate hydrate	AGR	ACS	BASICHEM	reference	packaging	price
Assay 99 - 101%	Cl <sup>-</sup> < 0.002%	SO <sub>4</sub> < 0.002%	AMOX-01A-500	 500 g		
Insol. matter < 0.005%	Fe < 0.0002%					
Res. on ignition < 0.02%	Pb < 0.0005%					

## Ammonium persulfate


labkem

CAS: 7727-54-0 MW: 228,19 EC: 231-786-5 TARIC code: 28334000



ADR: 5.1 O2 III UN 1444 IMDG: 5.1 III UN 1444 IATA: 5.1 III UN 1444



Ammonium persulfate	AGR	ACS	BASICHEM	reference	packaging	price
Assay > 98.0%	Cl <sup>-</sup> and ClO <sub>3</sub> <sup>-</sup> < 0.001%	Heavy metals (Pb) < 0.005%	AMPS-00A-500	 500 g		
Insol. matter < 0.005%	Ash (SO <sub>3</sub> ) < 0.05%	Mn < 0.00005%				
Free Acid < 0.044meq/g	Fe < 0.001%					

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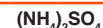
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## Ammonium sulfate

labkem

CAS: 7783-20-2 MW: 132,14 EC: 231-984-1 TARIC code: 31022100




Ammonium sulfate <b>EPR</b>		<b>BASICEM</b>	reference	packaging	price
Assay > 99% Total N > 21% Loss on ign. < 0.25% Cl <sup>-</sup> < 0.001%	Se < 0.003% Fe < 0.005% Pb < 0.0003%		AMSU-00P-500	 500 g	
			AMSU-00P-1K0	 1 kg	
			AMSU-00P-5K0	 5 kg	
Ammonium sulfate <b>AGR</b> ACS		<b>BASICEM</b>	reference	packaging	price
Assay > 99.5% Insol. matter < 0.001% Loss on dry. (100 °C) < 0.1% Reaction (pH) > 4.5	Cl <sup>-</sup> < 0.0003% NO <sub>3</sub> <sup>-</sup> < 0.001% PO <sub>4</sub> <sup>3-</sup> < 0.0005% Fe < 0.0002%	Res. on ignition < 0.01% Ca < 0.001% Cu < 0.0002% Mg < 0.0005%	AMSU-00A-500	 500 g	
					As < 0.00002% Pb < 0.0002%

## Ammonium thiocyanate

labkem

CAS: 1762-95-4 MW: 76,12 EC: 217-175-6 TARIC code: 28429080



Ammonium thiocyanate <b>AGR</b> ACS		<b>BASICEM</b>	reference	packaging	price
Assay > 98.5% App. White/Crystal. Powder	pH (5%) 4.5 - 6 Insol. matter < 0.025%	Cl <sup>-</sup> < 0.005% Fe < 0.0003%	AMTH-00A-500	 500 g	
					Pb < 0.0005% SO <sub>4</sub> <sup>2-</sup> < 0.005%



## iso-Amyl alcohol (3-Methyl-1-butanol)

labkem

CAS: 123-51-3 MW: 88,15 EC: 250-378-8 TARIC code: 29051900



ADR: 3 F1 III UN 1105 IMDG: 3 III UN 1105 IATA: 3 III UN 1105




iso-Amyl alcohol (3-Methyl-1-butanol) <b>EPR</b>		<b>BASICEM</b>	reference	packaging	price
Assay > 99% H <sub>2</sub> O < 0.3% Free acids < 0.01%	Furfural < 0.003% H <sub>2</sub> SO <sub>4</sub> Test Passes test Density at 20°C 0.81 - 0.815g/ml	Res. on evap. < 0.005%	AMYL-00P-1K0	 1 L	
iso-Amyl alcohol (3-Methyl-1-butanol) <b>AGR</b> según Gerber		<b>BASICEM</b>	reference	packaging	price
Assay > 99% H <sub>2</sub> O < 0.2% Free acids < 0.01%	Furfural < 0.0001% H <sub>2</sub> SO <sub>4</sub> Test Passes test Density at 20°C 0.81 - 0.815g/ml	Res. on evap. < 0.003%	AMYL-00A-1K0	 1 L	

## L(+)-Ascorbic acid

labkem

CAS: 50-81-7 MW: 176,13 EC: 200-066-2 TARIC code: 29362700



L(+)-Ascorbic acid <b>EPR</b> Ph.Eur.			<b>BASICEM</b>	reference	packaging	price
Assay > 99.00% App. White cryst. powder Ash (SO <sub>3</sub> ) < 0.1%	Loss on dry. < 0.4% Spec. Opt. Rot. 20.5 - 21.5° As < 0.0003%	Pb < 0.0002% Hg < 0.0001% Heavy met. < 0.001%		ASAC-L0P-250	 250 g	
				ASAC-L0P-500	 500 g	

## Bacteriological peptone see p. 21




## Barium chloride dihydrate

labkem

CAS: 10326-27-9 MW: 244,28 EC: 233-788-1 TARIC code: 28273985



ADR: 6.1 T5 III UN 1564 IMDG: 6.1 III UN 1564 IATA: 6.1 III UN 1564

Barium chloride dihydrate <b>EPR</b>		<b>BASICEM</b>	reference	packaging	price
Assay > 99% Subst. not pptd. by dil. H <sub>2</sub> SO <sub>4</sub> < 0.1%	Fe < 0.001% Heavy metals (Pb) < 0.001%		BACL-02T-500	 500 g	
			BACL-02T-5K0	 5 kg	
Barium chloride dihydrate <b>AGR</b> ACS		<b>BASICEM</b>	reference	packaging	price
Assay 99 - 100.5% App. Crystal powder Insol. matter < 0.005%	Reaction (pH) 5 - 8 Fe < 0.0002% Ca < 0.01%	Cu < 0.0005% Pb < 0.0005% Sr < 0.05%	BACL-02A-500	 500 g	

## Barium hydroxyde octahydrate

labkem

CAS: 12230-71-6 MW: 315,48 EC: 241-234-5 TARIC code: 28164000

ADR: 8 CT2 II UN 2923 IMDG: 8 II UN 2923 IATA: 8 II UN 2923



Barium hydroxyde octahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless or white crystals Assay > 97.0% Insol. in dil. HCl < 0.005%	Cl <sup>-</sup> < 0.002% S <sup>-</sup> < 0.0005% CO <sub>3</sub> (BaCO <sub>3</sub> ) < 2.0%	Heavy metals (Pb) < 0.0005% Alk. metals/Earth met. < 0.05% Fe < 0.0005%	BAHY-08A-500 	500 g	

## Barium nitrate

labkem

CAS: 10022-31-8 MW: 261,35 EC: 233-020-5 TARIC code: 28342920

ADR: 5.1 OT2 II UN 1446 IMDG: 5.1 II UN 1446 IATA: 5.1 II UN 1446



Barium nitrate <b>AGR ACS</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99% Fe < 0.0002% Cl <sup>-</sup> < 0.0005%	Heavy metals (Pb) < 0.0005% Ca < 0.002% Na < 0.005%	K < 0.005% Sr < 0.05%	BANA-00A-500 	500 g	

## Benedict reagent

labkem

CAS: 63126-89-6 TARIC code: 38220000

ADR: 9 M6 III UN 3082 IMDG: 9 III UN 3082 IATA: 9 III UN 3082



Benedict reagent qualitative <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
For detect. of sugar in urine App. Blue Solution	This product was manufactured in accordance with procedure SR-50.	BENR-QLA-500	500 ml	

## Benzaldehyde

labkem

CAS: 100-52-7 MW: 106,12 EC: 202-860-4 TARIC code: 29122100

ADR: 9 M11 III UN 1990 IMDG: 9 III UN 1990 IATA: 9 III UN 1990



Benzaldehyde <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 98.5 - 100.5% Density at 20°C approx. 1.05g/ml	Acidity (C <sub>6</sub> H <sub>5</sub> COOH) < 1.0% Cl <sub>2</sub> < 0.2%	BNZL-00A-500	500 ml	

## Benzoic acid

labkem

CAS: 65-85-0 MW: 122,12 EC: 200-618-2 TARIC code: 29163100



Benzoic acid <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% Melt. range 121 - 122°C Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Passes test	Cl <sup>-</sup> < 0.005% Subst. red. KMnO <sub>4</sub> < 0.008% Ash (SO <sub>2</sub> ) < 0.01%	Fe < 0.0004% SO <sub>4</sub> < 0.003% Heavy metals (Pb) < 0.0005%	BNZA-00A-500 	500 g	

## Benzyl alcohol

labkem

CAS: 100-51-6 MW: 108,14 EC: 202-859-9 TARIC code: 29062100

H302-H332 P501



Benzyl alcohol <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless clear liquid Assay > 99% Density at 20°C 1.043 - 1.050g/ml Colour (Hazen) < 20	Refractive index 1.537 - 1.543 Free ac. (Benz. ac.) < 0.02% Non-Vol. Mat. < 0.05% Ash (SO <sub>2</sub> ) < 0.1%	Water < 0.2% Perox. num. < 5	BNZY-00P-1K0 	1 L	

## Biuret reagent

labkem

TARIC code: 38220000



Biuret reagent <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
For peptides detect. in urine App. Blue Solution	This product was manufactured in accordance with procedure SR-70	BIUR-00A-500	500 ml	

## Boric acid

labkem

CAS: 10043-35-3 MW: 61,84 EC: 233-139-2 TARIC code: 28100090



Boric acid <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price
App. white/crystalline or Colourless powder Assay > 99.0% Insol. matter < 0.02% Insol. (EtOH) Passes test	Non-Volat. (MeOH) < 0.2% Solub. in EtOH Passes test Cl <sup>-</sup> < 0.002% PO <sub>4</sub> <sup>3-</sup> < 0.003% SO <sub>4</sub> <sup>2-</sup> < 0.01%	Heavy met. < 0.002% As < 0.0002% Ca < 0.01% Fe < 0.0001%	1 kg	

Boric acid <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
App. Colourless crystals or white powder Assay > 99.5% Insol. matter < 0.01% Insol. (MeOH) Passes test	Non-Volat. (MeOH) < 0.05% Cl <sup>-</sup> < 0.0003% PO <sub>4</sub> <sup>3-</sup> < 0.001% SO <sub>4</sub> <sup>2-</sup> < 0.005% Heavy metals (Pb) < 0.001%	As < 0.0001% Ca < 0.005% Fe < 0.0001%	500 g	
		BORA-00A-500	1 kg	

## Boric acid, solution

labkem

CAS: 10043-35-3 MW: 61,84 EC: 233-139-2 TARIC code: 28100090



Boric acid, solution 4% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
App. Colourless clear liquid	Concentration 3.9 - 4.1%	Density at 20°C 1.014g/cm <sup>3</sup>	1 L	
			5 L	

Boric acid, solution 4% <b>AGR</b> with mixed indicator	<b>BASICEM</b>	reference	packaging	price
Comp. 40g H <sub>3</sub> BO <sub>3</sub> Ind. / L H <sub>2</sub> O	Colour Green	pH 4.8 - 5	5 L	

Bromocresol green see p. 283

Bromocresol purple see p. 283

Bromophenol blue see p. 283

Bromothymol blue see p. 283

Broth bases for microbiological culture see p. 23

Broths for microbiological culture and molecular biology see p. 21

Broths for molecular biology see p. 13

Buffered peptone water see p. 22

## 1-Butanol

labkem

CAS: 71-36-3 MW: 74,12 EC: 200-751-6 TARIC code: 29051300

 $\text{CH}_3(\text{CH}_2)_3\text{OH}$ 

ADR: 3 F1 III UN 1120 IMDG: 3 III UN 1120 IATA: 3 III UN 1120

1-Butanol 99,5% <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% $\text{H}_2\text{O}$ < 0.1%	Res. on evap. < 0.001% Acid. (Acetic acid) < 0.0005%	Aldehydes and ket. < 0.03%		BUTL-10A-1K0	1 L	
				BUTL-10A-2K5	2,5 L	
1-Butanol HPLC <b>GGR</b>			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.03% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 230 nm > 65% UV-Tr. (1cm;Wat.) 240 nm > 80% UV-Tr. (1cm;Wat.) 250 nm > 90% UV-Tr. (1cm;Wat.) 260 nm > 95%	UV-Tr. (1cm;Wat.) 310 nm > 99% Fluorescence (as quinine): F (quin.) 254 nm < 0.0000002% F (quin.) 365 nm < 0.0000002%		BUTL-1GH-2K5	2,5 L	

## n-Butyl acetate

labkem

CAS: 123-86-4 MW: 116,16 EC: 204-658-1 TARIC code: 29153300

 $\text{C}_6\text{H}_{12}\text{O}_2$ 

ADR: 3 F1 III UN 1123 IMDG: 3 III UN 1123 IATA: 3 III UN 1123

n-Butyl acetate 99% <b>EPR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 98% Identity Passes test	Free a. ( $\text{CH}_3\text{COOH}$ ) < 0.01% n-Butanol < 1.5%	$\text{H}_2\text{O}$ < 0.1% Density at 20°C 0.876 - 0.882g/ml		BUTY-N0T-1K0	1 L	
				BUTY-N0T-2K5	2,5 L	

## Calcium carbonate

labkem

CAS: 471-34-1 MW: 100,09 EC: 207-439-9 TARIC code: 28365000

 $\text{CaCO}_3$ 

Calcium carbonate <b>AGR</b> Reag.Ph.Eur.			<b>BASICHEM</b>	reference	packaging	price
Ident. (A+B) Complies Acid Insol. Mat. < 0.2% $\text{SO}_4$ < 0.25%	Ba Passes test Mg and Alk. salts < 1.5% Loss on dry. < 2%	Mg and alkali metals < 1.5% Assay 98.5 - 100.5% $\text{Cl}^-$ < 0.033%	As < 0.0004% Fe < 0.02% Heavy metals (Pb) < 0.002%	CACB-00A-500	500 g	
				CACB-00A-1K0	1 kg	

## Calcium chloride anhydrous

labkem

CAS: 10043-52-4 MW: 110,98 EC: 233-140-8 TARIC code: 28272000

 $\text{CaCl}_2$ 

Calcium chloride anhydrous <b>GLR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 94% App. White pearls $\text{MgCl}$ < 0.5%	F < 0.004% Mg and Alk. salts < 5% Fe < 0.004%	As < 0.0003% Pb < 0.0002% $\text{SO}_4$ < 0.1%	Hg < 0.0001%	CACH-A0P-1K0	1 kg	

## Calcium chloride dihydrate

labkem

CAS: 10035-04-8 MW: 147,02 EC: 233-140-8 TARIC code: 28272000

 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ 

Calcium chloride dihydrate <b>EPR</b>			<b>BASICHEM</b>	reference	packaging	price
App. Colourless crystals Assay 99 - 103% pH (5%, 20°C) 4.5 - 8.5	$\text{SO}_4$ < 0.005% F < 0.004% Al < 0.0001%	As < 0.0002% Cu < 0.0025% Fe < 0.001%	Pb < 0.0005% Zn < 0.0025%	CACH-02P-1K0	1 kg	
Calcium chloride dihydrate <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% App. Colourless cryst. pH (5%) 4.5 - 8	F < 0.0001% Fe < 0.005% Al < 0.0001%	Cu < 0.0005% $\text{SO}_4$ < 0.005% As < 0.003%	Pb < 0.0005% Zn < 0.005%	CACH-02A-500	500 g	



## Calcium hydroxyde

labkem

CAS: 1305-62-0 MW: 74,09 EC: 215-137-3 TARIC code: 28259019

Ca(OH)<sub>2</sub>

Calcium hydroxyde <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price	
Assay >96% CaCO <sub>3</sub> < 3% Insol. matter < 0.03% Cu < 0.0005%	Fe < 0.05% Pb < 0.0002% Cl <sup>-</sup> < 0.005% SO <sub>4</sub> < 0.05%	Sr < 0.05% Zn < 0.0005% Heavy metals (Pb) < 0.003% Insol. in HCl < 0.03%	Mg < 0.5% K < 0.05% Na < 0.05%	CAHY-90A-500	500 g

## Calcium nitrate tetrahydrate

labkem

CAS: 13477-34-4 MW: 236,15 EC: 233-332-1 TARIC code: 28342980

ADR: 5.1 O2 III UN 1454 IMDG: 5.1 III UN 1454 IATA: 5.1 III UN 1454

Ca(NO<sub>3</sub>)<sub>2</sub> · 4H<sub>2</sub>O

Calcium nitrate tetrahydrate <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price
Assay 99.0 - 103.0% Insol. matter < 0.005% pH (5%, 25°C) 5.0 - 7.0 Cl <sup>-</sup> < 0.005% Ba < 0.005%	Fe < 0.002% Heavy metals (Pb) < 0.0005% SO <sub>4</sub> < 0.002% Mg < 0.05% Na < 0.01%	K < 0.005% NO <sub>2</sub> < 0.001% Sr < 0.05%	CANA-04A-500	500 g
			CANA-04A-1K0	1 kg

## Calcium sulfate dihydrate

labkem

CAS: 10101-41-4 MW: 172,17 EC: 231-900-3 TARIC code: 28332980

CaSO<sub>4</sub>·2H<sub>2</sub>O

Calcium sulfate dihydrate <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price	
Assay 99.0 - 102.0% Insoluble in HCl < 0.01% CO <sub>2</sub> passes test NO <sub>3</sub> passes test	Free alk. (Ca(OH) <sub>2</sub> ) < 0.01% Free acid. (H <sub>2</sub> SO <sub>4</sub> ) < 0.01% Cl <sup>-</sup> < 0.005% Total N < 0.001%	Fe < 0.001% Heavy metals (Pb) < 0.002% K < 0.005% Mg < 0.01%	Na < 0.2% Sr < 0.05%	CASU-02A-500	500 g

## Charcoal activated

labkem

CAS: 7440-44-0 MW: 12,01 EC: 231-153-3 TARIC code: 38021000

C

ADR: 4.2 S2 III UN 1362 IMDG: 4.2 III UN 1362 IATA: 4.2 III UN 1362

Charcoal activated, granulated 1-4 mm Chem WD-extra/w <b>AUX</b>	<b>BASICHEM</b>	reference	packaging	price
Bulk density 454kg/m <sup>3</sup> Mech. Strength 95.9% Attrition 0.2%	Assay moisture 2.1% Methylene number 25ml Iodine number 998mg/g	Water absorption 0.88ml/g pH (H <sub>2</sub> O extract) 10.4 Granulation Passes test	CHAR-GWA-1K0	1 kg
Charcoal activated, powder <b>AUX</b>	<b>BASICHEM</b>	reference	packaging	price
Subs. sol. in HCl < 1.0% Loss on dry. (110 °C) < 10.0%	Ca < 0.02% Cu < 0.001%	Fe < 0.02% Melasses number < 380	CHAR-PWA-500	500 g

## Chloroform



labkem

CAS: 67-66-3 MW: 119,38 EC: 200-663-8 TARIC code: 29031300

CHCl<sub>3</sub>

ADR: 6.1 T1 III UN 1888 IMDG: 6.1 III UN 1888 IATA: 6.1 III UN 1888

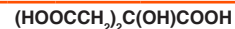
Chloroform (stabilized with amylene) <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay >98.0% App. Colourless/clear liquid Stabilizer 0.0045 - 0.0055% H <sub>2</sub> O < 0.02% Free Ac.&Fos. (HCl) < 0.0001% Density at 20°C 1.475 - 1.481g/ml Ionized Cl < 0.0001%	Free chlorine < 0.0001% Res. on evap. < 0.002% Metallic imp. Passes test Ald. < 0.005% Org. subs. Carb. with H <sub>2</sub> SO <sub>4</sub> Passes test Fosgen Passes test	CHLF-S0T-1K0	1 L	
		CHLF-S0T-5K0	5 L	
		CHLF-S0T-20K	20 L	



Chloroform (stabilized with amylene) <b>AGR</b>			reference	packaging	price
App. Colourless/clear liquid Assay > 98.5% Density at 20°C 1.475 - 1.481g/ml Stabilizer 0.0045 - 0.0055% H <sub>2</sub> O < 0.015%	Res. on evap. < 0.0006% Ionized Cl < 0.00003% Ald. < 0.005% Free chlorine < 0.00005% Fosgen Passes test	Metallic imp. Passes test Org. subs. Carb. with H <sub>2</sub> SO <sub>4</sub> Passes test Free Ac.andFos.(HCl) < 0.0001%	CHLF-S0A-1K0	 1 L	
			CHLF-S0A-2K5	 2,5 L	

## Citric acid anhydrous

labkem

CAS: 77-92-9 MW: 192,13 TARIC code: 29181400





Citric acid anhydrous <b>AGR</b> Ph.Eur.			<b>BASICHEM</b>	reference	packaging	price
Assay (anh. substance) 99.5 - 100.5% Identification Conforms App. of sol. Passes test Readily carbonis. subs. Passes test Oxalic acid < 0.01% Water < 0.5%	Ash < 0.05% SO <sub>4</sub> < 0.01% Ash (SO <sub>4</sub> ) < 0.05% As < 0.0001% Heavy met. < 0.0005%	Manufactured by fermentation of carbohydrates containing raw materials like glucose syrup from maize as well as molasses and sugar from sugar beet or sugar		CITA-A0A-1K0	 1 kg	
				CITA-A0A-5K0	 5 kg	


## Citric acid monohydrate

labkem

CAS: 5949-29-1 MW: 210,14 EC: 201-069-1 TARIC code: 29181400



Citric acid monohydrate <b>EPR</b> Ph.Eur.			<b>BASICHEM</b>	reference	packaging	price
Assay 99.7 - 100.3% Identification Conforms App. of sol. Passes test Readily carbonis. subs. Passes test Oxalic acid < 0.01%	Water 7.5 - 8.8% Ash (SO <sub>4</sub> ) < 0.05% As < 0.0001% SO <sub>4</sub> < 0.01% Heavy met. < 0.0005%	Manufactured by fermentation of carbohydrates containing raw materials like glucose syrup from maize as well as molasses and sugar from sugar beet or sugar		CITA-01P-1K0	 1 kg	
				CITA-01P-5K0	 5 kg	

Citric acid monohydrate <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay 99.5 - 100.5% Res. on roast. < 0.03% Insol. matter < 0.005% React. ag. H <sub>2</sub> SO <sub>4</sub> Passes test	Cl < 0.001% PO <sub>4</sub> < 0.001% Fe < 0.0005% SO <sub>4</sub> < 0.01%	Heavy metals (Pb) < 0.0005% Ca < 0.005%		CITA-01A-500	 500 g	


## Cobalt (II) chloride hexahydrate


labkem

CAS: 7791-13-1 MW: 237,93 EC: 231-589-4 TARIC code: 28273930



ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077

Cobalt (II) chloride hexahydrate <b>EPR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay 98 - 102% App. purple crystals Insol. matter < 0.01%	Alk. metals/Earth met. < 0.1% Heavy metals (Cu) < 0.01% Ni < 0.25%	Fe < 0.005% SO <sub>4</sub> < 0.01% Zn < 0.01%		COCH-06P-1K0	 1 kg	

Cobalt (II) chloride hexahydrate <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Heavy metals (Cu) < 0.005% Insol. matter < 0.005%	Ash (SO <sub>4</sub> ) < 0.1% Ni < 0.15% N Comp. (N) < 0.005%	Fe < 0.02% SO <sub>4</sub> < 0.005% Zn < 0.005%		COCH-06A-250	 250 g	


## Cobalt (II) nitrate hexahydrate

labkem

CAS: 10026-22-9 MW: 291,04 EC: 233-402-1 TARIC code: 28342920



ADR: 5.1 O2 II UN 1477 IMDG: 5.1 II UN 1477 IATA: 5.1 II UN 1477

Cobalt (II) nitrate hexahydrate <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Insol. matter < 0.005% Reaction (pH) > 2.5 Cl < 0.005%	NH <sub>4</sub> < 0.05% Ni < 0.05% Fe < 0.001% SO <sub>4</sub> < 0.005%	Ca < 0.005% Cu < 0.001% Mg < 0.005% Na < 0.05%	K < 0.01% Pb < 0.001% Zn < 0.005%		CONA-06A-250	 250 g



Stains and dyes for histology/pathology see p. 22

Conductivity standards see p. 203

Congo red see p. 284

### Copper (II) chloride dihydrate

labkem

CAS: 10125-13-0 MW: 170,48 EC: 231-210-2 TARIC code: 28273985

ADR: 8 C2 III UN 2802 IMDG: 8 III UN 2802 IATA: 8 III UN 2802

 $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ 


Copper (II) chloride dihydrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99% pH (5% in dry $\text{CO}_2$ ) 2.8 - 3.8 Ni < 0.005%	Fe < 0.001% N Comp. (N) < 0.004% Ca < 0.002%	Mg < 0.002% As < 0.0001% $\text{SO}_4$ < 0.005%	Pb < 0.004%	CUCH-02A-100 100 g

### Copper (II) nitrate trihydrate

labkem

CAS: 10031-43-3 MW: 241.60 EC: 221-838-5 TARIC code: 28342940

ADR: 5.1 O2 II UN 1477 IMDG: 5.1 II UN 1477 IATA: 5.1 II UN 1477

 $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ 


Copper (II) nitrate trihydrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99.0% App. Blue crystals Insol. matter < 0.01%	Cl <sup>-</sup> < 0.005% Ca, K, Na < 0.15% Fe < 0.02%	$\text{SO}_4$ < 0.01%	CUNA-03A-500 500 g	

### Copper sheet

labkem

CAS: 7440-50-8 MW: 65.55 EC: 231-159-6 TARIC code: 90230010

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077

Cu



Copper sheet 100 x 30 x 0,8 mm <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price
Approximated dimensions 100 x 30 x 0.8 mm		CUSH-001-010	10 un.	

### Copper (II) sulfate anhydride

labkem

CAS: 7758-98-7 MW: 159,61 EC: 231-847-6 TARIC code: 28332500

ADR: 6.1 T5 III UN 3077 IMDG: 6.1 III UN 3077 IATA: 6.1 III UN 3077

 $\text{CuSO}_4$ 


Copper (II) sulfate anhydride <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99.0% Cl <sup>-</sup> < 0.005% Fe < 0.005%	Loss on dry. (250 °C) < 1.0% Subst. not pptd. by $\text{H}_2\text{S}$ < 0.2% Insol. matter < 0.01%	N Comp. (N) < 0.002% Pb < 0.01% Other metals (Ni) < 0.01%	CUSU-A0A-250 250 g	

### Copper (II) sulfate pentahydrate

labkem

CAS: 7758-99-8 MW: 249,68 EC: 231-847-6 TARIC code: 28332500

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077

 $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 


***** Copper (II) sulfate pentahydrate <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price
Assay 99.0 - 101.0% Cl <sup>-</sup> < 0.01% Pb < 0.005% Loss on dry. (250 °C) 35.0 - 36.5%	K < 0.01% App. of sol. conforms Fe < 0.003% Ca < 0.005%	Ni < 0.005% Na < 0.02%	CUSU-05T-500 500 g	
			CUSU-05T-1K0 1 kg	

Copper (II) sulfate pentahydrate <b>AGR</b> ACS	<b>BASICEM</b>	reference	packaging	price
Assay 98.0 - 102.0% Insol. matter < 0.005% Cl <sup>-</sup> < 0.001%	N Comp. (N) < 0.002% Ni < 0.005% Fe < 0.003%	Ca < 0.005% Na < 0.02% K < 0.01%	CUSU-05A-500 500 g	
			CUSU-05A-1K0 1 kg	

Cresol red see p. 284

Culture media for micorbiology see p. 21

## Cyclohexane

labkem

CAS: 110-82-7 MW: 84.16 EC: 203-806-2 TARIC code: 29021100 Restriction: Hydrocarbon

ADR: 3 II UN 1145 IMDG: 3 II UN 1145 IATA: 3 II UN 1145



Cyclohexane <b>GLR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99.9%	S comp. < 0.0001%	N Comp. (N) < 0.0001%		CYHX-P0P-1K0	1 L	
App. Clear colourless liquid	Benzene < 0.01%	Non-Vol. Mat. < 0.002%		CYHX-P0P-5K0	5 L	
Chlorine < 0.0001%	Arom. Comp. < 0.015%					
Cyclohexane HPLC <b>GGR</b>			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.5%	UV-Tr. (1cm;Wat.) 210 nm < 60%	UV-Tr. (1cm;Wat.) 250 nm < 99%		CYHX-00H-2K5	2,5 L	
Water (KF) > 0.01%	UV-Tr. (1cm;Wat.) 220 nm < 80%	F254 nm (Quinine) > 0.0000001%		CYHX-00H-P04	4x2,5 L	
Acidity > 0.0005meq/g	UV-Tr. (1cm;Wat.) 230 nm < 95%	F365 nm (Quinine) > 0.0000001%				
Res. on evap. > 0.0005%	UV-Tr. (1cm;Wat.) 240 nm < 98%					

## Cyclohexanone

labkem

CAS: 108-94-1 MW: 98,15 EC: 203-631-1 TARIC code: 29142200

ADR: 3 F I III UN 1915 IMDG: 3 III UN 1915 IATA: 3 III UN 1915



Cyclohexanone <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
App. Clear colourless liquid	H <sub>2</sub> O < 0.2%	Cu < 0.00005%		CYHN-00A-500	500 ml	
Assay > 99.5%	Acid. (Acetic acid) < 0.02%	Fe < 0.0001%				
Density at 20°C 0.945 - 0.947g/ml	C <sub>6</sub> H <sub>12</sub> </sub < 0.001%	Pb < 0.00005%				
Refractive index 1.450 - 1.451	Cyclohexanol < 0.2%	Non-Vol. Mat. < 0.02%				

Detergents for laboratory use see p. 222

## Dichloromethane




labkem



CAS: 75-09-2 MW: 84,93 EC: 200-838-9 TARIC code: 29031200


ADR: 6.1 III UN 1593 IMDG: 6.1 III UN 1593 IATA: 6.1 III UN 1593



Dichloromethane (stabilized with amylene) 99.9% <b>GLR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99.95%	Acidity (HCl) < 0.0005%	Res. on evap. < 0.001%	Amylene (Stab.) 0.0040 - 0.0060%	DCHM-P0P-1K0	1 L	
				DCHM-G0P-1K0	1 L	
				DCHM-P0P-5K0	5 L	
				DCHM-P0P-10K	10 L	
				DCHM-M0P-25K	25 L	
Colour (Hazen) < 10						
H <sub>2</sub> O < 0.01%						
Dichloromethane (stabilized with amylene) <b>AGR</b>			<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5%	Free acid (HCl) < 0.001%	Free Halides Passes test		DCHM-00A-1K0	1 L	
Water (KF) < 0.02%	Colour (Hazen) < 10	Non-Vol. Mat. < 0.001%				

Dichloromethane (stabilized with amylene) <b>AGR</b> , ACS, ISO, Ph. Eur.				<b>BASICHEM</b>	reference	packaging	price
Assay > 99.8%	B < 0.00002%	Mn < 0.00002%	Pb < 0.00001%		DCHM-0IA-1K0	 1 L	
Stabiliz. w/ Amylene	Ba < 0.00001%	Free chlorine < 0.00002%	Cd < 0.000005%		DCHM-0IA-2K5	 2,5 L	
Free Acid < 0.001%	Fe < 0.00001%	Co < 0.000002%	Sn < 0.00001%		DCHM-0IA-P04	 4x2,5 L	
H <sub>2</sub> O < 0.01%	Al < 0.00005%	CCl <sub>4</sub> < 0.01%	Zn < 0.00001%				
Cl <sup>-</sup> < 0.00005%	Ca < 0.00005%	Mg < 0.00001%					
Res. on evap. < 0.001%	Cr < 0.000002%	Chloroform < 0.01%					
Ni < 0.000002%	Cu < 0.000002%	Formaldehyde < 0.0005%					

Dichloromethane (stabilized with amylene) HPLC <b>GGR</b>				<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8%	Non-Vol. Mat. < 0.0005%	UV-Tr. (1cm;Wat.) 240 nm > 75%		DCHM-0GH-2K5	 2,5 L		
Water (KF) < 0.01%	Stabilizer (amylene) 0.005%	UV-Tr. (1cm;Wat.) 250 nm > 98%		DCHM-0GH-P04	 4x2,5 L		
Acidity < 0.0005meq/g	Res. on ignition < 0.0002%	UV-Tr. (1cm;Wat.) 260 nm > 99%					
Alkalinity < 0.0005%	UV-Tr. (1cm;Wat.) 235 nm > 40%						

Dichloromethane (stabilized with amylene) Pesticide Grade <b>PGR</b>				<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8%	Stabilizer (amylene) 50ppm	Non-Vol. Mat. < 0.0005%		DCHM-0GC-2K5	 2,5 L		
Water (KF) < 0.05%	Acidity < 0.0005meq/g			DCHM-0GC-P04	 4x2,5 L		

## Diethanolamine


labkem

CAS: 111-42-2 MW: 105,14 EC: 203-868-0 TARIC code: 29221200



ADR: 9 M6 III UN 3082 IMDG: 9 III UN 3082 IATA: 9 III UN 3082



Diethanolamine 99% <b>AGR</b>				<b>BASICHEM</b>	reference	packaging	price
Assay > 99%	Colour (Hazen) < 15	Ash (SO <sub>4</sub> ) < 0.002%		DETA-00A-500	 500 ml		
H <sub>2</sub> O < 0.15%	Cl <sup>-</sup> < 0.001%	Fe < 0.0001%					
Triethanolamine < 0.3%	Ethanolamine < 0.3%	Heavy metals (Pb) < 0.0001%					

## Diethylether

labkem





CAS: 60-29-7 MW: 74,12 EC: 200-467-2 TARIC code: 29091100 Restriction: Drugs Precursors Cat. 3



ADR: 3 F1 I UN 1155 IMDG: 3 I UN 1155 IATA: 3 I UN 1155



Diethylether <b>EPR</b> stabilized with <0.002% hydroquinone				<b>BASICHEM</b>	reference	packaging	price		
Assay > 99.5%	H <sub>2</sub> O < 0.2%			DETE-00T-1K0	 1 L				
Non-Vol. Mat. < 0.002%	Peroxides < 0.0002%						DETE-00T-2K5	 2,5 L	
							DETE-00T-P04	 4x2,5 L	






Diethylether <b>AGR</b> , ACS,ISO, stabilized with BHT				<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5%	Cr < 0.000002%	Aldehydes < 0.00007%		DETE-0IA-1K0	 1 L		
Non-Vol. Mat. < 0.001%	Cu < 0.000002%	Carbonyl comp. < 0.001%					
H <sub>2</sub> O < 0.03%	Fe < 0.000005%	EtOH < 0.02%					
Free Acid < 0.0002%	Mg < 0.00001%	Methanol < 0.02%					
Al < 0.00005%	Mn < 0.000002%	H <sub>2</sub> O <sub>2</sub> < 0.0001%		DETE-0IA-2K5	 2,5 L		
B < 0.000002%	Ni < 0.000002%	S <sup>-</sup> < 0.00006%					
Ba < 0.00001%	Pb < 0.000005%	Colour (Hazen) < 10		DETE-0IA-P04	 4x2,5 L		
Ca < 0.00005%	Sn < 0.00001%	Density at 20°C 0.712 - 0.714g/ml					
Cd < 0.000005%	Zn < 0.000005%	Res. on evap. < 0.001%					
Co < 0.000002%	Acetone < 0.005%	Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Passes test		DETE-0IA-5K0	 5 L		

## Dimethyl sulfoxide

labkem

CAS: 67-68-5 MW: 78,13 EC: 200-664-3 TARIC code: 29309099

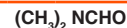


Dimethyl sulfoxide <b>AGR</b> , ACS	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.9% Non-Vol. Mat. < 0.001% H <sub>2</sub> O < 0.1%  Free Acid < 0.0002% Fe < 0.0001% Heavy metals (Pb) < 0.0001%  Res. on evap. < 0.01% Acidity < 0.001%		DMSO-00A-1K0	 1 L	
		DMSO-00A-2K5	 2,5 L	
		DMSO-00A-P04	 4x2,5 L	
Dimethyl sulfoxide HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.5% Water (KF) < 0.05% Colour (Hazen) < 10 Acidity < 0.001meq/g  Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 280 nm > 60% UV-Tr. (1cm;Wat.) 300 nm > 75% UV-Tr. (1cm;Wat.) 320 nm > 90%  UV-Tr. (1cm;Wat.) 330 nm > 95% UV-Tr. (1cm;Wat.) 360 nm > 98%		DMSO-0GH-2K5	 2,5 L	
		DMSO-0GH-P04	 4x2,5 L	

## N,N-Dimethylformamide




labkem

CAS: 68-12-2 MW: 73,09 EC: 200-679-5 TARIC code: 29241900



ADR: 3 F1 III UN 2265 IMDG: 3 III UN 2265 IATA: 3 III UN 2265



N,N-Dimethylformamide 99.9% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.9% App. Clear liquid Colour (Hazen) < 10 Water < 0.03%  Acidity (HCOOH) < 0.001% Alkalinity < 0.001% Methanol < 0.005% Density at 20°C 0.948 - 0.952g/ml		DMFO-P0P-1K0	 1 L	
		DMFO-P0P-5K0	 5 L	
		DMFO-P0P-25K	 25 L	

## Diphenylamine


labkem

CAS: 122-39-4 MW: 169,23 EC: 202-163-5 TARIC code: 29214400



ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077



Diphenylamine <b>AGR</b> , ACS	<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Melt. range 52.5 - 54°C Sensit. to NO <sub>2</sub> < 1 1600000  Insol. in EtOH Passes test NO <sub>2</sub> No reaction Aniline < 0.01%  Ash (SO <sub>2</sub> ) < 0.03% Ni < 0.001% Fe < 0.001%  Cu < 0.001% Pb < 0.001%		DIPA-00A-100	 100 g	

Electrode maintenance solutions see p. 202

Eriochrome black T see p. 284

## Ethyl acetate





labkem






CAS: 141-78-6 MW: 88,1 EC: 205-500-4 TARIC code: 29153100



ADR: 3 F1 II UN 1173 IMDG: 3 II UN 1173 IATA: 3 II UN 1173



Ethyl acetate 99.8% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.8% App. Clear liquid H <sub>2</sub> O < 0.03%  EtOH < 0.03% Acid. (Acetic acid) < 0.005% Density at 20°C 0.900 - 0.903g/ml		ETAC-P0P-1K0	 1 L	
		ETAC-P0P-5K0	 5 L	
		ETAC-P0P-10K	 10 L	
		ETAC-M0P-25K	 25 L	





Ethyl acetate <b>AGR</b> ACS ISO Ph.Eur.				<b>BASICEM</b>	reference	packaging	price
Assay > 99.5%	Ni < 0.000002%	Cu < 0.000002%	Cd < 0.000005%		ETAC-0IA-1K0	 1 L	
H <sub>2</sub> O < 0.05%	B < 0.000002%	EtOH < 0.1%	Sn < 0.00001%		ETAC-0IA-2K5	 2,5 L	
Free Acid < 0.005%	Fe < 0.00001%	Mn < 0.000002%	Zn < 0.00001%		ETAC-0IA-P04	 4x2,5 L	
Methanol < 0.1%	Al < 0.00005%	Co < 0.000002%					
Ba < 0.00001%	Ca < 0.00005%	Mg < 0.00001%					
Res. on evap. < 0.001%	Cr < 0.000002%	Pb < 0.00001%					
Ethyl acetate HPLC <b>GGR</b>				<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8%	Non-Vol. Mat. < 0.0005meq/g	UV-Tr. (1cm;Wat.) 280 nm > 95%			ETAC-0GH-2K5	 2,5 L	
Water (KF) < 0.02%	UV-Tr. (1cm;Wat.) 260 nm > 70%	UV-Tr. (1cm;Wat.) 300 nm > 99%			ETAC-0GH-P04	 4x2,5 L	
Acidity < 0.0005meq/g	UV-Tr. (1cm;Wat.) 270 nm > 90%						

## Ethylene glycol

labkem

CAS: 107-21-1 MW: 62,07 EC: 203-473-3 TARIC code: 29053100

HOCH<sub>2</sub>CH<sub>2</sub>OH


Ethylene glycol 99% <b>GLR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 99%		Acid. (Acetic acid) < 0.005%			ETGL-P0P-1K0	 1 L	
App. Clear liquid		Density at 20°C 1.113 - 1.115g/ml			ETGL-P0P-5K0	 5 L	
Colour (Hazen) < 10		Boiling range 190 - 208°C			ETGL-M0P-25K	 25 L	
Ethylene glycol <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 99%	Cl <sup>-</sup> < 0.0005%	Fe < 0.00005%			ETGL-00A-1K0	 1 L	
App. colourless liquid	Density at 20°C 1.113 - 1.115g/ml	Heavy metals (Pb) < 0.0001%					
H <sub>2</sub> O < 0.2%	Res. on ignition < 0.005%						
Acid. (Acetic acid) < 0.001%	SO <sub>4</sub> < 0.002%						

## Ethylenediaminetetraacetic Acid (EDTA)

labkem

CAS: 60-00-4 MW: 292,24 EC: 200-449-4 TARIC code: 29224985

C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>8</sub>


Ethylenediaminetetraacetic Acid (EDTA) <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 99%	Cl <sup>-</sup> < 0.005%	Ca < 0.002%	Pb < 0.001%		EDTA-00A-1K0	 1 kg	
App. white/crystal. powder	Ni < 0.001%	Cu < 0.001%					
Ash (SO <sub>4</sub> ) < 0.1%	Fe < 0.001%	Mg < 0.0005%					

## Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate

labkem

CAS: 6381-92-6 MW: 372,24 EC: 205-358-3 TARIC code: 29224985

C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub> · 2H<sub>2</sub>O





Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay 99 - 101%	CN < 0.001%	H <sub>2</sub> O 9 - 10%	Heavy metals (Pb) < 0.001%		EDTA-01A-500	 500 g	
pH (5%) 4 - 5	Cl <sup>-</sup> < 0.01%	SO <sub>4</sub> < 0.02%					
Insol. matter < 0.005%	Nitritotriacetic acid < 0.05%	Fe < 0.0005%					

## EDTA disodium salt, volumetric solutions

labkem

CAS: 139-33-3 MW: 336,24 EC: 205-358-3 TARIC code: 29224985

C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>

Ethylenediaminetetraacetic acid (EDTA) disodium salt volumetric solution 0.1 M (0.1 N) <b>VSA</b>				 <b>BASICEM</b>	reference	packaging	price
Concentration (M) 0.0996 - 0.1004M		Tolerance (M) 0.0004M			EDTA-01V-1K0	 1 L	
Concentration (N) 0.1992 - 0.2008N		Tolerance (N) 0.0008N					
Ethylenediaminetetraacetic acid (EDTA) disodium salt, concentrated to prepare 1 L of solution 0.1 M (0.1 N) <b>VSA</b>				 <b>BASICEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M		Conc. after dil. to 1L (20°C) (N) 0.1996 - 0.2004N			EDTA-01C-1K0	 1 amp.	

## Fehling A reagent

labkem

TARIC code: 38220000

ADR: 9 M6 III UN 3082 IMDG: 9 III UN 3082 IATA: 9 III UN 3082



Fehling A reagent <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Lane and Eynon modification Mix with Fehling's Solution B in equal volumes before use. Fehling's solution prepared in accordance with a specific. approved by the British Sugar Corporation Reducing sugars give a red precipitate.		FEHL-A0A-1K0	1 L	

## Fehling B reagent

labkem

TARIC code: 38220000

ADR: 8 C5 II UN 1824 IMDG: 8 II UN 1824 IATA: 8 II UN 1824



Fehling B reagent <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
App. Colourless clear liquid Density at 20°C approx 1.25g/ml C <sub>6</sub> H <sub>4</sub> KNaO <sub>6</sub> ·4H <sub>2</sub> O 33.0 - 36.0% NaOH 9.0 - 11.0% Lane and Eynon modification	Mix with Fehling's Solution A in equal volumes before use. Fehling's solution prepared in accordance with a specific. approved by the British Sugar Corporation Reducing sugars give a red precipitate.	FEHL-B0A-1K0	1 L	

## Formaldehyde for histology ver p. 29

## Formaldehyde, concentrated solution stabilized with methanol

labkem

CAS: 50-00-0 MW: 30,03 EC: 200-001-8 TARIC code: 29121100

ADR: 8 C9 III UN 2209 IMDG: 8 III UN 2209 IATA: 8 III UN 2209

CH<sub>2</sub>O

Formaldehyde, solution 35-40% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 35 - 40%	App. colourless and clear	Content of MeOH 10 - 15% w/v	FORM-C0P-5K0	5 L
Formaldehyde, solution 37% <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 36 - 38%	Stabiliz. w/ MeoH	Fe < 0.0005%	FORM-00T-1K0	1 L
App. Colourless. clear liq.	Ash (SO <sub>4</sub> ) < 0.005%	Heavy metals (Pb) < 0.0005%	FORM-00T-2K5	2,5 L
Org. Ac. (HCOOH) < 0.05%	Density at 20°C 1.07 - 1.09g/ml		FORM-00T-5K0	5 L
Cl <sup>-</sup> < 0.0005%	SO <sub>4</sub> < 0.005%		FORM-00T-20K	20 L
Formaldehyde, solution 40,0% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 37 - 41%	Res. on roast. < 0.002%	Fe < 0.0001%	FORM-00A-1K0	1 L
App. Clear colourless liquid	Cl <sup>-</sup> < 0.0001%	SO <sub>4</sub> < 0.002%		
Org. Ac. (HCOOH) < 0.03%	Density at 20°C 1.088 - 1.096g/ml	Heavy metals (Pb) < 0.0002%		

## Formic acid

labkem

CAS: 64-18-6 MW: 46,03 EC: 200-579-1 TARIC code: 29151100

ADR: 8(3) CF1 II UN 1779 IMDG: 8(3) II UN 1779 IATA: 8(3) II UN 1779

HCOOH



Formic acid 98% <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price
Assay > 99%	Co < 0.000002%	Na < 0.00005%	Oxalate < 0.005%	
Non-Vol. Mat. < 0.001%	Cr < 0.000002%	Ni < 0.000005%	SO <sub>4</sub> < 0.0005%	
NH <sub>4</sub> < 0.001%	Cu < 0.000002%	Pb < 0.000002%	SO <sub>2</sub> < 0.001%	
Ag < 0.000002%	Fe < 0.0002%	Sr < 0.000002%	Acetic acid < 0.005%	
Ba < 0.000002%	Ge < 0.000005%	Ti < 0.00001%	Colour (Hazen) < 10	
Al < 0.000005%	K < 0.00001%	Tl < 0.000005%	Res. on evap. < 0.003%	
Be < 0.000002%	Li < 0.000002%	V < 0.000005%	Heavy metals (Pb) < 0.001%	
Bi < 0.00001%	Mg < 0.00005%	Zn < 0.000005%		
Ca < 0.00002%	Mn < 0.000005%	Zr < 0.00001%		
Cd < 0.000005%	Mo < 0.000002%	Cl <sup>-</sup> < 0.0005%		
			FORA-A0A-1K0	1 L







## D(-)-Fructose

labkem

CAS: 57-48-7 MW: 180,16 EC: 200-333-3 TARIC code: 17025000






D(-)-Fructose <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
App. White powder or crystals Identity Passes test App. and col. of solution	Passes test H <sub>2</sub> O < 0.5% Acidity Passes test Ash (SO <sub>4</sub> ) < 0.1%	Specific opt. rot. 91 - 93.5° Cl <sup>-</sup> < 0.005% SO <sub>4</sub> < 0.005% As < 0.0001%	Ba Passes test Pb < 0.00005%	FRUC-00T-500  500 g	
D(-)-Fructose <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% Spec. Rot. (20°C;10%H <sub>2</sub> O) -93.5 - -91° Insol. matter < 0.005%	Loss on dry. < 0.5% Cl <sup>-</sup> < 0.001% D(+)/Glucose < 0.1% Ash (SO <sub>4</sub> ) < 0.05%	SO <sub>4</sub> < 0.005% Fe < 0.0001% Cu < 0.0001% As < 0.0001%	Pb < 0.0001% Cd < 0.0001% Zn < 0.0005%	FRUC-00A-250  250 g	

## D(+)-Glucose anhydrous

labkem

CAS: 50-99-7 MW: 180,16 EC: 200-075-1 TARIC code: 17023000



D(+)-Glucose anhydrous <b>EPR</b> FCC	 <b>BASICEM</b>	reference	packaging	price
App. Colourless cryst. or white powder Insol. matter < 0.01% Spec. Rot. (20°C;10%H <sub>2</sub> O) 52.5 - 53.3° Loss on dry. (105 °C) < 0.5%	Cl <sup>-</sup> < 0.01% Acid. (Acetic acid) < 0.05% Ash (SO <sub>4</sub> ) < 0.05% SO <sub>4</sub> < 0.01%	Fe < 0.001% As < 0.0004% Pb < 0.001%	GLUC-A0T-500  500 g	
			GLUC-A0T-1K0  1 kg	







## D(+)-Glucose anhydrous for culture media see p. 23

## Glycerol

labkem

CAS: 56-81-5 MW: 92,09 EC: 200-289-5 TARIC code: 29054500




Glycerol (Vegetal origin) USP <b>GLR</b>	 <b>BASICEM</b>	reference	packaging	price
Assay > 99% App. Clear liquid Colour (Hazen) < 10 Water < 1% Cl <sup>-</sup> < 0.001% Specific gravity > 1.249g/cm <sup>3</sup>	Fat. ac. and esters < 0.01meq/g Refractive index > 1.47 Chlorinated comp < 0.003% Heavy metals (Pb) < 0.0005% Aldehydes < 0.001%	GLIO-P0P-1K0 GLIO-P0P-5K0 GLIO-P0P-10K GLIO-M0P-25K	 1 L  5 L  10 L  25 L	
Glycerol 99% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99% H <sub>2</sub> O < 1% Colour (Hazen) < 10 Acidity < 0.05meq/g Alkalinity < 0.03meq/g	Ash (SO <sub>4</sub> ) < 0.005% NH <sub>4</sub> < 0.0005% As < 0.0001% Heavy metals (Pb) < 0.0001% Fe < 0.0001%	Cl <sup>-</sup> < 0.0001% SO <sub>4</sub> < 0.0005% R.C.S. Passes test Fat. ac. and esters < 0.05% Glyceraldehyde < 0.003%	GLIO-00A-1K0  1 L	

## Glycine

labkem

CAS: 56-40-6 MW: 75,06 EC: 200-272-2 TARIC code: 29224985



Glycine <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay 98.5 - 101% pH (5%) 5.9 - 6.4 Hydrolyz. subst. Passes test Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Passes test	Cl <sup>-</sup> < 0.001% Heavy metals (Pb) < 0.001% Buffering substance	For biochemistry, bacteriology and tissue culture. buffering substance SO <sub>4</sub> < 0.005%	GLIC-00A-500  500 g	

## Heptane



labkem



CAS: 142-82-5 MW: 100,21 EC: 921-510-4 TARIC code: 29011000 Restriction: Hydrocarbon



ADR: 3 II UN 1206 IMDG: 3 II UN 1206 IATA: 3 II UN 1206



n-Heptane 95% Pesticide Grade <b>PGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 95.0% Water (KF) < 0.02%	Colour (Hazen) < 10 Res. on evap. < 0.0005%	HPTN-5GC-2K5 HPTN-5GC-P04	 2,5 L  4x2,5 L	

n-Heptane 99% HPLC <b>GGR</b>			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.0%	Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 230 nm > 93%		HPTN-9GH-2K5	 2,5 L	
Water (KF) < 0.02%	UV-Tr. (1cm;Wat.) 210 nm > 40%	UV-Tr. (1cm;Wat.) 240 nm > 97%		HPTN-9GH-P04	 4x2,5 L	
Colour (Hazen) < 10	UV-Tr. (1cm;Wat.) 220 nm > 80%	UV-Tr. (1cm;Wat.) 250 nm > 98%				






## Heptane, Isomer mix

labkem

MW: 100,21 EC: 921-510-4 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1206 IMDG: 3 II UN 1206 IATA: 3 II UN 1206

C<sub>7</sub>H<sub>16</sub>

n-Heptane 95% (isómeros) <b>GLR</b>			<b>BASICHEM</b>	reference	packaging	price
App. Clear.colourless liquid colour (Saybolt) > 30	Arom. Comp. (v/v) < 0.005%	UV-Tr. (1cm;Wat.) 230 nm > 93%		HPTN-P0P-1K0	 1 L	
Density at 15 °C 0.69 - 0.698g/ml	Benzene < 0.005%	UV-Tr. (1cm;Wat.) 240 nm > 97%		HPTN-G0P-1K0	 1 L	
Boiling range 90 - 100°C	S < 0.0001%	UV-Tr. (1cm;Wat.) 250 nm > 98%		HPTN-P0P-5K0	 5 L	
Assay (V/V) > 75%	Cu corros. (ASTM D130) < 1			HPTN-P0P-10K	 10 L	
				HPTN-M0P-25K	 25 L	










## Hexane

labkem

CAS: 110-54-3 MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 F1 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

C<sub>6</sub>H<sub>14</sub>

n-Hexane 95% <b>AGR</b> ACS Ph.Eur.			<b>BASICHEM</b>	reference	packaging	price
Assay (C <sub>6</sub> H <sub>14</sub> ) > 95%	Ca < 0.00005%	Pb < 0.00001%		HXAN-50A-2K5	 2,5 L	
H <sub>2</sub> O < 0.01%	Arom. Comp. < 0.01%	Cd < 0.000005%				
Free Acid < 0.002%	Cr < 0.000002%	Sn < 0.00001%		HXAN-50A-P04	 4x2,5 L	
Res. on evap. < 0.001%	Cu < 0.000002%	Zn < 0.00001%				
Ni < 0.000002%	Mn < 0.000002%					
B < 0.000002%	S comp. < 0.005%					
Ba < 0.00001%	Thiophene < 0.005%					
Fe < 0.00001%	Co < 0.000002%					
Al < 0.00005%	Mg < 0.00001%					
n-Hexane 95% HPLC GGR			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 95.0%	Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 230 nm > 94%		HXAN-5GH-2K5	 2,5 L	
Water (KF) < 0.01%	UV-Tr. (1cm;Wat.) 200 nm > 30%	UV-Tr. (1cm;Wat.) 240 nm > 97%				
Colour (Hazen) < 10	UV-Tr. (1cm;Wat.) 210 nm > 60%			HXAN-5GH-P04	 4x2,5 L	
Acidity < 0.0005meq/g	UV-Tr. (1cm;Wat.) 220 nm > 85%					
n-Hexane 95% Pesticide Grade <b>PGR</b>			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 95%	Acidity < 0.0005meq/g			HXAN-5GC-2K5	 2,5 L	
Water (KF) < 0.02%	Res. on evap. < 0.0005%					
Colour (Hazen) < 10				HXAN-5GC-P04	 4x2,5 L	
n-Hexane 99% <b>AGR</b> ACS Ph.Eur.			<b>BASICHEM</b>	reference	packaging	price
Assay > 99%	Al < 0.00005%	Co < 0.000002%		HXAN-90A-1K0	 1 L	
H <sub>2</sub> O < 0.01%	Ca < 0.00005%	Mg < 0.00001%				
Free Acid < 0.002%	Arom. Comp. < 0.01%	Pb < 0.00001%				
Ni < 0.000002%	Cr < 0.000002%	Cd < 0.000005%		HXAN-90A-2K5	 2,5 L	
B < 0.000002%	Cu < 0.000002%	Sn < 0.00001%				
Ba < 0.00001%	Mn < 0.000002%	Zn < 0.00001%		HXAN-90A-P04	 4x2,5 L	
Res. on evap. < 0.001%	S comp. < 0.005%					
Fe < 0.00001%	Thiophene < 0.005%					



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GRADES and FAMILIES information on p. 226

## Hexane, Isomer mix

labkem

MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

C<sub>6</sub>H<sub>14</sub>

n-Hexane 95% (isomers) <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price
Assay (V/V) > 96% App. Clear colourless liquid Arom. Comp. (v/v) < 0.005% Benzene < 0.001% colour (Saybolt) > 30	S < 0.0001% Cu corros. (ASTM D130) < 1 Density at 15 °C 0.665 - 0.673g/ml Boiling range 62.5 - 70°C Non-Vol. Mat. < 5 mg/100ml	HXAN-P0P-1K0	1 L	
		HXAN-G0P-1K0	1 L	
		HXAN-P0P-5K0	5 L	
		HXAN-P0P-10K	10 L	
		HXAN-M0P-25K	25 L	
n-Hexane (isomers) HPLC GGR	<b>INSTRUKEM</b>	reference	packaging	price
Assay (Isomer mix) > 99% C <sub>6</sub> H <sub>14</sub> Isomer Mix > 99% Water (KF) < 0.01% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 80% UV-Tr. (1cm;Wat.) 230 nm > 95% UV-Tr. (1cm;Wat.) 240 nm > 98% UV-Tr. (1cm;Wat.) 250 nm > 99%	HXAN-IGH-2K5	2,5 L	
		HXAN-IGH-P04	4x2,5 L	

## Hydrochloric acid

labkem

CAS: 7647-01-0 MW: 36,46 EC: 231-595-7 TARIC code: 28061000 Restriction: Drugs Precursors Cat. 3

ADR: 8 C1 II UN 1789 IMDG: 8 II UN 1789 IATA: 8 II UN 1789

HCl



Hydrochloric acid 25% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price		
Assay 24 - 26% Density approx. > 1.124 Ash (SO <sub>2</sub> ) < 0.001% SO <sub>4</sub> < 0.0002%	SO <sub>2</sub> < 0.0005% Free chlorine < 0.0001% Heavy metals (Pb) < 0.0001% As < 0.000005% Fe < 0.0001%	CHAC-25A-1K0	1 L			
Hydrochloric acid 32% <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price		
Assay 30 - 33%	Density at 20°C 1.1494 - 1.1645g/ml	CHAC-32P-1K0	1 L			
Hydrochloric acid 35-38% <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price		
Assay 35 - 38 Density at 20°C Approx. 1.1655g/ml Ash (SO <sub>2</sub> ) < 0.002	SO <sub>2</sub> < 0.0005 SO <sub>3</sub> < 0.001 Free chlorine < 0.0002 Heavy metals (Pb) < 0.0002 As < 0.00001 Fe < 0.0003	CHAC-00T-1K0	1 L			
		CHAC-00T-2K5	2,5 L			
Hydrochloric acid 35-38% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price		
Assay 35 - 38% Density at 20°C 1.174-1.189g/ml Ash (SO <sub>2</sub> ) < 0.001% SO <sub>4</sub> < 0.0002% SO <sub>3</sub> < 0.0005% Free chlorine < 0.0001%	Heavy metals (Pb) < 0.0001% Al < 0.0001% As < 0.000005% Cu < 0.00005% Fe < 0.00001% Mg < 0.00005% Mn < 0.00005% Ni < 0.00005% Pb < 0.00005% Zn < 0.00005%	CHAC-00A-1K0	1 L			
		CHAC-00A-2K5	2,5 L			
Hydrochloric acid 37% <b>AGR</b> ISO	<b>BASICEM</b>	reference	packaging	price		
Assay 36.5 - 38% Res. on ignition < 0.0005% As < 0.000005%	Cd < 0.000001% Cu < 0.000005% Fe < 0.00005% Pb < 0.000005% Zn < 0.0001% NH <sub>4</sub> < 0.0003% Free chlorine < 0.00005% SO <sub>2</sub> < 0.0002% SO <sub>4</sub> < 0.0001%	CHAC-0IA-1K0	1 L			
		CHAC-0IA-2K5	2,5 L			
		CHAC-0IA-P04	4x2,5 L			
Hydrochloric acid 34-37% <b>TGR</b> for trace analysis (ppb)	<b>INSTRUKEM</b>	reference	packaging	price		
Assay 34 - 37% Al < 0.0000001% Sb < 0.00000005% As < 0.00000005% Ba < 0.00000001% Be < 0.00000001% Bi < 0.00000001% B < 0.0000001% Cd < 0.0000001% Ca < 0.0000001%	Ce < 0.00000001% Cs < 0.00000001% Cr < 0.00000005% Co < 0.00000001% Cu < 0.00000005% Dy < 0.00000001% Fe < 0.00000001% Pb < 0.00000001% Li < 0.00000001% Mg < 0.00000005%	Mn < 0.00000001% Hg < 0.00000001% Mo < 0.00000001% Ni < 0.00000005% Nueva linea < 0.00000005% Pt < 0.00000005% Rh < 0.00000001% Ag < 0.0000001% Na < 0.0000001% Sr < 0.00000001%	Sn < 0.00000005% W < 0.00000001% Zn < 0.0000001% Br < 0.001% P < 0.000001% S < 0.00003% Free chlorine < 0.00005% Use within 15 months of opening, up to unopened expiration date	CHAC-TGR-2K5	2,5 L	

## Hydrochloric acid, volumetric solutions

labkem

CAS: 7647-01-0 MW: 36,46 EC: 231-595-7 TARIC code: 28061000 Restriction: Drugs Precursors Cat. 3

ADR: 8 C1 II UN 1789 IMDG: 8 II UN 1789 IATA: 8 II UN 1789

HCl



Hydrochloric acid, volumetric solutions 0.1 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.0999 - 0.1001M Concentration (N) 0.0999 - 0.1001N	Tolerance (M) 0.0001M Tolerance (N) 0.0001N	CHAC-01V-1K0	1 L	
Hydrochloric acid, volumetric solutions 0.25 M (0.25 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.249 - 0.251M Concentration (N) 0.249 - 0.251N	Tolerance (M) 0.001M Tolerance (N) 0.001N	CHAC-25V-1K0	1 L	
Hydrochloric acid, volumetric solutions 0.5 M (0.5 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.4995 - 0.5005M Concentration (N) 0.4995 - 0.5005N	Tolerance (M) 0.0005M Tolerance (N) 0.0005N	CHAC-05V-1K0	1 L	
Hydrochloric acid, volumetric solutions 1.0 M (1.0 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.999 - 1.001M Concentration (N) 0.999 - 1.001N	Tolerance (M) 0.001M Tolerance (N) 0.001N	CHAC-1V0-1K0	1 L	
Hydrochloric acid, volumetric solutions 2.0 M (2.0 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 1.998 - 2.002M Concentration (N) 1.998 - 2.002N	Tolerance (M) 0.002M Tolerance (N) 0.002N	CHAC-2V0-1K0	1 L	
Hydrochloric acid, concentrated to 1 L solution 0.1 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M Conc. after dil. to 1L (20°C) (N) 0.0998 - 0.1002N		CHAC-01C-1K0	1 amp.	
Hydrochloric acid, concentrated to 1 L solution 1 M (1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.998 - 1.002M Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N		CHAC-1C0-1K0	1 amp.	

## Hydrofluoric acid

labkem

CAS: 7664-39-3 MW: 20.01 EC: 231-634-8 TARIC code: 28111100

ADR: 8(6.1) II UN 1790 IMDG: 8(6.1) II UN 1790 IATA: 8(6.1) II UN 1790

HF



Hydrofluoric acid 40% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 39 - 41% Subst. red. $\text{KMnO}_4$ < 0.001% $\text{SO}_3$ < 0.004%	$\text{Cl}^-$ < 0.003% $\text{Mg} + \text{Ca}$ < 0.005% $\text{Cu} + \text{Pb}$ < 0.001%	$\text{PO}_4$ < 0.001% $\text{SO}_4$ < 0.002% Ash ( $\text{SO}_3$ ) < 0.005%	Fe < 0.0003% Si < 0.05%	FLAC-00A-1K0 1 L
Hydrofluoric acid 48% <b>AGR ISO</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 48% $\text{SiF}_6$ < 0.005% $\text{SO}_3$ < 0.0002% Colour (Hazen) < 10 $\text{Cl}^-$ < 0.0001% Be < 0.000002% $\text{PO}_4$ < 0.00005% Bi < 0.00001% $\text{SO}_4$ < 0.0002%	Ni < 0.000002% Ba < 0.00001% Fe < 0.00002% Al < 0.000005% Ash ( $\text{SO}_3$ ) < 0.0005% Ca < 0.00005% Cr < 0.000002% Cu < 0.000002% Mn < 0.000005%	Co < 0.000002% Mg < 0.00002% Li < 0.000002% Na < 0.00002% K < 0.00001% Mo < 0.000005% Ge < 0.000005% Pb < 0.000005% Cd < 0.000001%	Sr < 0.000002% Ag < 0.000002% Ti < 0.00001% Tl < 0.000005% V < 0.000005% Zn < 0.000005% Zr < 0.00001%	FLAC-80A-1K0 1 L



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GRADES and FAMILIES information on p. 282

## Hydrogen peroxide 30%

labkem

CAS: 7722-84-1 MW: 34,01 EC: 231-765-0 TARIC code: 28470000

 $H_2O_2$ 

ADR: 5.1 II UN 2014 IMDG: 5.1 II UN 2014 IATA: 5.1 II UN 2014

Hydrogen peroxide 30% (v/v) <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
App. Clear colourless liquid Assay 29 - 31% Free acids ( $H_2SO_4$ ) < 0.01% Res. on evap. < 0.01%	Cl <sup>-</sup> < 0.001% $PO_4$ < 0.003% $SO_4$ < 0.001% Heavy met. < 0.00005%	Total N < 0.005% As < 0.00005% Fe < 0.00005%	HYPE-30P-1K0	1 L	

Hydrogen peroxide 30% (v/v) <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay 29 - 31% Free acids ( $H_2SO_4$ ) < 0.001% Phosphorous(P) < 0.0001% Bi < 0.00005% Cl < 0.0001% Ni < 0.00001%	B < 0.000001% $SO_4$ < 0.0001% Fe < 0.00001% Al < 0.00001% Silver (Ag) < 0.00001% Cu < 0.00001%	Si < 0.001% Mn < 0.00001% Co < 0.00001% Pb < 0.00001% Sn < 0.00001%	HYPE-30A-500 HYPE-30A-1K0	500 ml 1 L	

Indicators for titrations see p. 283

Indigo carmine see p. 284

Ingredients for microbiological culture see p. 21

## Iodine resublimed

labkem

CAS: 7553-56-2 MW: 253,8 EC: 231-442-4 TARIC code: 28012000

 $I_2$ 

ADR: 8(6.1) CT2 III UN 3495 IMDG: 8(6.1) III UN 3495 IATA: 8(6.1) III UN 3495

Iodine resublimed <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99.8% App. Dark violet granules	Cl <sup>-</sup> and Br <sup>-</sup> (Cl) < 0.005% Res. on evap. < 0.01%	IODI-R0A-100 IODI-R0A-250	100 g 250 g	

## Iodine volumetric solutions

labkem

CAS: 7553-56-2 MW: 253,81 EC: 231-442-4 TARIC code: 28012000

 $I_2$ 

Iodine 0.05 M (0.1 N) Volumetric solution <b>VSA</b>	<b>BASICEM</b>	reference	packaging	price
Composition 12.69g $I_2$ Concentration (M) 0.0499 - 0.0501M Concentration (N) 0.0998 - 0.1002N Tolerance (M) 0.0001M	Tolerance (N) 0.0002N Values measured at the moment of production. For titrations, calibrate before use.	IODI-01V-1K0	1 L	

## Iron (III) chloride anhydrous

labkem

CAS: 7705-08-0 MW: 162,21 EC: 231-729-4 TARIC code: 28273920

 $FeCl_3$ 

ADR: 8 C2 III UN 1773 IMDG: 8 III UN 1773 IATA: 8 III UN 1773

Iron (III) chloride anhydrous <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 98%	Melt. range 305°C	IRCH-A0T-500	500 g	

## Iron (III) chloride hexahydrate

labkem

CAS: 10025-77-1 MW: 270.33 EC: 231-729-4 TARIC code: 28273920

 $FeCl_3 \cdot 6 H_2O$ 

ADR: 8 C2 III UN 3260 IMDG: 8 III UN 3260 IATA: 8 III UN 3260

Iron (III) chloride hexahydrate <b>AGR</b> ACS, Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
Assay 99 - 102% App. Yellowish lumps Insol. matter < 0.01%	Fe (II) < 0.002% $NO_3$ < 0.01% $PO_4$ < 0.01%	Ca < 0.01% Cu < 0.003% $SO_4$ < 0.01%	Mg < 0.005% Na < 0.05% Zn < 0.003%	IRCH-06A-500	500 g

## Iron metal, powder

labkem

CAS: 7439-89-6 MW: 55,84 EC: 231-096-4 TARIC code: 72052900

Fe

Iron metal, powder, 0.045-0.106 mm <b>GLR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 95%	Carbon < 0.6%	Granul. (106 µm) < 1%	Granul. (45 µm) 15 - 65%		IRON-001-500		500 g
Type analysis	Granul. (150 µm) 0%	Granul. (75 µm) < 10%	Fe > 0.95%				

## Iron (III) nitrate nonahydrate

labkem

CAS: 7782-61-8 MW: 404 EC: 233-899-5 TARIC code: 28342980

Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O

ADR: 5.1 O2 III UN 1466 IMDG: 5.1 III UN 1466 IATA: 5.1 III UN 1466



Iron (III) nitrate nonahydrate <b>AGR ACS</b>				<b>BASICEM</b>	reference	packaging	price
Appearance/colour		Ca < 0.01%			IRNA-09A-500		500 g
Assay (titr. by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	98.0 - 101.0%	Mg < 0.005%					
Infrared spectr.	passes test	K < 0.005%					
Ins. mat. (10%, dil. HNO <sub>3</sub> )	< 0.005%	Na < 0.05%					
Cl	< 0.0005%	Subst. not pptd. by (NH <sub>4</sub> ) sol. (SO <sub>4</sub> )	< 0.1%				
SO <sub>4</sub>	< 0.01%						

## Iron (III) oxide red

labkem

CAS: 1309-37-1 MW: 159,69 EC: 215-168-2 TARIC code: 28211000

Fe<sub>2</sub>O<sub>3</sub>

Iron (III) oxide red <b>EPR</b>				<b>BASICEM</b>	reference	packaging	price
Assay	95 - 98%	H <sub>2</sub> O solubility < 1%	Mn < 0.25%		IROX-00T-500		500 g
Loss on ign.	< 0.5%	PO <sub>4</sub> < 0.3%	SO <sub>4</sub> < 0.5%				

## Iron (II) sulfate heptahydrate

labkem

CAS: 7782-63-0 MW: 278,02 EC: 231-753-5 TARIC code: 28332980

FeSO<sub>4</sub>·7H<sub>2</sub>O

Iron (II) sulfate heptahydrate <b>EPR</b>				<b>BASICEM</b>	reference	packaging	price
Assay	98.5 - 104.5%	Heavy metals (Pb) < 0.005%	Pb < 0.001%		IRSU-07T-500		500 g
pH (5%)	3 - 4	Cu < 0.005%	Hg < 0.0003%				
Fe (III) salts (Fe)	< 0.2%	Mn < 0.1%	Zn < 0.05%				
Cl	< 0.01%	As < 0.0002%					

Iron (II) sulfate heptahydrate <b>AGR ACS</b>				<b>BASICEM</b>	reference	packaging	price
Assay	> 99.0%	Org. vol. imp. excl. Passes test	Mn < 0.05%		IRSU-07A-500		500 g
App.	green crystalline powder	Ni < 0.005%	Mg < 0.002%				
pH (5%)	3 - 4	Ca < 0.005%	Na < 0.02%				
Cl	< 0.001%	Cu < 0.005%	K < 0.002%				
Fe (III)	< 0.1%	Cr < 0.005%	Zn < 0.005%				
PO <sub>4</sub>	< 0.001%	Subst. not pptd. by NH <sub>4</sub>	Ca < 0.005%				

## Iron (III) sulfate hydrated

labkem

CAS: 15244-10-7 MW: 399,88 EC: 233-072-9 TARIC code: 28332980

Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>·3H<sub>2</sub>O

Iron (III) sulfate hydrated <b>EPR</b>				<b>BASICEM</b>	reference	packaging	price
App.	Greyish-white to yellowish powder	Assay > 20%	Fe (II) < 0.1%		IRSU-01T-500		500 g
		Cu < 0.01%	Cl < 0.03%				
			NO <sub>3</sub> < 0.05%				



## Isooctane

labkem

CAS: 540-84-1 MW: 114,23 EC: 208-759-1 TARIC code: 29011000 Restriction: Hydrocarbon



ADR: 3 II UN 1262 IMDG: 3 II UN 1262 IATA: 3 II UN 1262

Isooctane <b>AGR</b> ACS, Ph.Eur.	<b>BASICHEM</b>	reference	packaging	price		
Assay (C <sub>8</sub> H <sub>18</sub> ) > 99.5% H <sub>2</sub> O < 0.01% Free Acid < 0.0005% S < 0.005% Res. on evap. < 0.001%	Ni < 0.000002% B < 0.000002% Ba < 0.00001% Fe < 0.00001% Al < 0.00005%	Ca < 0.00005% Cr < 0.000002% Cu < 0.000002% Mn < 0.000002% Co < 0.000002%	Mg < 0.00001% Pb < 0.00001% Cd < 0.000005% Sn < 0.00001% Zn < 0.00001%	ISCT-00A-1K0 	1 L	

Isooctane HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price	
ACS Spec. passes test UV spectrophotometry UV-Abs. max. lim. (205 nm) < 1.00 UV-Abs. max. lim. (225 nm) < 0.10	UV-Abs. max. lim. (254 nm) < 0.014 UV Cutoff < 205nm Assay (C <sub>8</sub> H <sub>18</sub> ) > 99.0% Colour (Hazen) < 10	Water (KF) < 0.02% Res. on evap. < 0.0004% Wat. sol. titr. acid < 0.0003mEq/g S comp. < 0.005%	ISCT-0GH-2K5 	2,5 L	
			ISCT-0GH-P04 	4x2,5 L	

Isooctane Pesticide Grade <b>PGR</b>	<b>INSTRUKEM</b>	reference	packaging	price	
Assay (C <sub>8</sub> H <sub>18</sub> ) > 99% Water (KF) < 0.02%	Colour (Hazen) < 10 Acidity < 0.0005meq/g	Res. on evap. < 0.0005%	ISCT-0GC-2K5 	2,5 L	
			ISCT-0GC-P04 	4x2,5 L	

## Lactic acid

labkem

CAS: 50-21-5 MW: 90,08 EC: 201-196-2 TARIC code: 29181100



DL-Lactic acid <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 80% DL-lactic acid sol. > 80% Easy carbonizable subst. Passes test Cl <sup>-</sup> < 0.0005%	Ash (SO <sub>4</sub> ) < 0.02% Fe < 0.0007% Heavy metals (Pb) < 0.0005% SO <sub>4</sub> < 0.005%	Red. sugars Passes test As < 0.00002%	LACA-00A-1K0 	1 L	

## Lactose monohydrate

labkem

CAS: 10039-26-6 MW: 360.32 EC: 200-559-2 TARIC code: 17021100



Lactose monohydrate <b>AGR</b> Reag. Ph. Eur.	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.8% pH (10%) 3.7 - 4.3 Acid. or alk. < 0.40ml Absorbance Passes test	Sieve anal. 75 μm 15 - 25% App. of sol. According Ph.Eur. Spec. opt. rot. 54.4 - 55.9° H <sub>2</sub> O (by KF) 4.5 - 5.5%	Ash (SO <sub>4</sub> ) < 0.1% Heavy metals (Pb) < 0.0005%	LACT-01A-500 	500 g	
			LACT-01A-1K0 	1 kg	

## Lead (II) nitrate

labkem

CAS: 10099-74-8 MW: 331,21 EC: 233-245-9 TARIC code: 29152900



ADR: 5.1 T2 II UN 1469 IMDG: 5.1 II UN 1469 IATA: 5.1 II UN 1469

Lead (II) nitrate <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. white crystals or powder Assay > 98% Insol. (HNO <sub>3</sub> ) < 0.01%	Cl <sup>-</sup> < 0.002% Ca < 0.01% Cu < 0.001%	Fe < 0.002% K < 0.01% Na < 0.04%	LENA-00T-500 	500 g	

Lead (II) nitrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price		
App. white crystals or powder Assay > 99%	Insol. (HNO <sub>3</sub> ) < 0.005% Cl <sup>-</sup> < 0.001% Ca < 0.005%	Cu < 0.0005% Fe < 0.001% K < 0.005%	Na < 0.02%	LENA-00A-500 	500 g	

## Lithium chloride

labkem

CAS: 7447-41-8 MW: 42,39 EC: 231-212-3 TARIC code: 28273985

LiCl



Lithium chloride <b>AGR</b> ACS	<b>BASICEM</b>	reference	packaging	price	
Appearance White crystalline powder Assay >99.0% Insol. matter <0.01%	Loss on dry. (105 °C) <1.0% SO <sub>4</sub> <0.01% Ca <0.01% Fe <0.001%	Heavy metals (Pb) <0.002% K <0.01% Na <0.2% Ba <0.003%	NO <sub>3</sub> <0.001% Tit. base <0.008meq/g	LICH-00A-100 	100 g

## Lugol solution

labkem

TARIC code: 38220000

Lugol solution <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
App. Yellow to brown liquid Density 1.01g/ml	I <sub>2</sub> content <2% KI content 1 - 3%	LUGO-00A-250 LUGO-00A-1K0	 	250 ml 1 L

## Magnesium (metal)

labkem

CAS: 7439-95-4 MW: 24,31 EC: 231-104-6 TARIC code: 81041100

ADR: 4.3(4.2) WS II UN 1418 IMDG: 4.3(4.2) II UN 1418 IATA: 4.3(4.2) II UN 1418

Mg



Magnesium (metal) powder <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price
Assay (Mg) >99%	Insol. in HCl <0.05% Fe <0.05%	MGPW-P0T-100		100 g

Magnesium (metal) ribbon <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price
Assay (Mg) >99.5% Insol. in HCl <0.05%	Fe <0.05% Cu <0.005% Pb <0.01%	MGPW-R0T-025		25 g

## Magnesium chloride hexahydrate

labkem

CAS: 7791-18-6 MW: 203,3 EC: 232-094-6 TARIC code: 28273100

MgCl<sub>2</sub>·6H<sub>2</sub>O

Magnesium chloride hexahydrate <b>EPR</b> Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
App. Colourless hygroscopic crystals Assay (EP, USP) 98.0 - 101.0% Identification Conforms App. of sol. Clear and colourless Acid. or alk. Passes test Hg <0.0001	As (EP) Fe <0.001% Al <0.0001% Br <0.05% (SO <sub>4</sub> ) (EP) <0.01 Ca (EP) <0.1	NH <sub>4</sub> <0.005% Potassium (K) <0.05% H <sub>2</sub> O: 51 - 55% Insol. matter <0.005% Res. solvents complies pH (solution 50 g/l): 4.5 - 7.5	MGCH-06P-1K0 MGCH-06P-5K0	 	1 kg 5 kg
Magnesium chloride hexahydrate <b>AGR</b> ACS, BP	<b>BASICEM</b>	reference	packaging	price	
Assay 98 - 101% Insol. (EtOH) Passes test Insol. matter <0.005% pH (5%) 5 - 6.5 H <sub>2</sub> O 51 - 55% PO <sub>4</sub> <0.0005%	Ba <0.005% Fe <0.0005% SO <sub>4</sub> <0.002% Heavy metals (Pb) <0.0005% Ca <0.01% Mn <0.0005%	N Comp. (N) <0.002% Na <0.005% K <0.005% As <0.0002% Sr <0.005%	MGCH-06A-500		500 g

## Magnesium nitrate hexahydrate

labkem

CAS: 13446-18-9 MW: 256,41 EC: 233-826-7 TARIC code: 28342980

Mg(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O

Magnesium nitrate hexahydrate <b>AGR</b> ACS	<b>BASICEM</b>	reference	packaging	price	
Assay 98.0 - 102.0% App. Colourless deliquescent crystals pH (5%) 5.0 - 8.2 Insol. matter <0.005% Cl <0.001% PO <sub>4</sub> <0.0005%	NH <sub>4</sub> <0.003% Ba <0.005% SO <sub>4</sub> <0.005% Fe <0.0005% Heavy metals (Pb) <0.0005% Ca <0.01%	Mn <0.0005% Na <0.005% K <0.005% Sr <0.005%	MGNA-06A-500		500 g



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GRADES and FAMILIES information on p. 2826





## Magnesium sulfate anhydrous

labkem

CAS: 7487-88-9 MW: 120,37 EC: 231-298-2 TARIC code: 28332100

MgSO<sub>4</sub>




Magnesium sulfate anhydrous <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 95% Heavy metals (Pb) < 0.005%	Cl <sup>-</sup> < 0.1% Insol. matter < 0.1%	Fe < 0.005%	MGSU-A0P-1K0  1 kg	
			MGSU-A0P-5K0  5 kg	

## Magnesium sulfate heptahydrate

labkem

CAS: 10034-99-8 MW: 246.48 EC: 231-298-2 TARIC code: 28332100

MgSO<sub>4</sub>·7H<sub>2</sub>O

Magnesium sulfate heptahydrate <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 98.5 - 102.0% pH (5%) 5.0 - 8.0 Insol. matter < 0.01%	Cl <sup>-</sup> < 0.0035% PO <sub>4</sub> < 0.005% Heavy metals (Pb) < 0.0005%	As < 0.0002% Ca < 0.05% Fe < 0.002%	MGSU-07P-500  500 g	
			MGSU-07P-1K0  1 kg	
Magnesium sulfate heptahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 99 - 100.5% pH (5%) 5.5 - 8 Insol. matter < 0.005% Cl <sup>-</sup> < 0.002%	PO <sub>4</sub> < 0.001% Fe < 0.0005% Heavy metals (Pb) < 0.0005% Ca < 0.02%	Mn < 0.002% As < 0.0001%	MGSU-07A-500  500 g	

## Manganese (II) chloride tetrahydrate


labkem

CAS: 13446-34-9 MW: 197,9 EC: 231-869-6 TARIC code: 28273985

MnCl<sub>2</sub>·4H<sub>2</sub>O

ADR: 9 M7 III UN 3077 IMDG: 9 II UN 3077 IATA: 9 II UN 3077



Manganese (II) chloride tetrahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 98 - 101% Insol. matter < 0.003% Subst. Red. I <sub>2</sub> < 0.0065% Cl <sup>-</sup> < 0.002%	Ba < 0.01% Fe < 0.001% Ca < 0.04% Cu < 0.0002%	SO <sub>4</sub> < 0.0025% Mg < 0.04% Na < 0.02% K < 0.01%	Pb < 0.0002% Zn < 0.02%	MNCH-04A-500  500 g

## Manganese (IV) oxide


labkem

CAS: 1313-13-9 MW: 86,94 EC: 215-202-6 TARIC code: 28273985

MnO<sub>2</sub>

ADR: 5.1 O2 II UN 1479 IMDG: 5.1 II UN 1479 IATA: 5.1 II UN 1479



Manganese (IV) oxide <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
App. A black coloured heavy powder Assay > 80.0% Free moist. < 3%	Insoluble in HCl < 0.5% Fe < 0.1% Pb < 0.09%	Cu < 0.002% SO <sub>4</sub> < 1.2% pH (5%) 4.5 - 6.5	MNOX-00A-500  500 g	

## Manganese (II) sulfate monohydrate


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CAS: 10034-96-5 MW: 169.02 EC: 232-089-9 TARIC code: 28332980

MnSO<sub>4</sub>·H<sub>2</sub>O

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077




Manganese (II) sulfate monohydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Insol. matter < 0.01% Loss on ign. 10 - 12% Subst. Red. KMnO <sub>4</sub> (O) < 0.001% Cl <sup>-</sup> < 0.002%	Ni < 0.005% Fe < 0.001% Ca < 0.004% Cu < 0.001% Mg < 0.004%	Na < 0.05% K < 0.01% Pb < 0.001% Zn < 0.005%	MNSU-01A-500  500 g	

## D(-)-Mannitol

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CAS: 69-65-8 MW: 182,17 EC: 200-711-8 TARIC code: 29054300

C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>

D(-)-Mannitol for bacteriology <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Melt. range 165 - 169°C Spec. opt. rot. 23 - 25° Cl <sup>-</sup> < 0.001% Insol. matter < 0.01% Red. sugars (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> ) < 0.05%	Loss on dry. (105 °C) < 0.05% Acid. (Acetic acid) < 0.005% SO <sub>4</sub> < 0.005% Ash (SO <sub>3</sub> ) < 0.02% Fe < 0.0005% Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Passes test	Ca < 0.001% Cu < 0.0005% D(-)-Sorbitol(GC) < 1% As < 0.0001% Pb < 0.0005%	MANL-00A-500  500 g	

## Marble

labkem

CAS: 471-34-1 MW: 100,09 EC: 207-439-9 TARIC code: 25174100

CaCO<sub>3</sub>

Marble pieces 1-2 mm <b>AUX</b>	<b>BASICEM</b>	reference	packaging	price
Type analysis	Particle size 1 - 2mm	MARB-001-1K0	 1 kg	

## Mercury (II) chloride


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CAS: 7487-94-7 MW: 271,5 EC: 231-299-8 TARIC code: 28521000 Restriction: Export restrictions

HgCl<sub>2</sub>

ADR: 6.1 T5 II UN 1624 IMDG: 6.1 II UN 1624 IATA: 6.1 II UN 1624



Mercury (II) chloride <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.5% Insol. Mat. (Ether) < 0.01% Insol. matter < 0.01% Subs. not red. by HCOOH	< 0.02% NO <sub>3</sub> < 0.001% Res. on evap. < 0.02% Fe < 0.001%	Ca < 0.001% Cu < 0.0005% Mg < 0.001% Na < 0.005%	K < 0.005% Pb < 0.0005%	HGCH-00A-100  100 g	

## Mercury (II) Iodide red


labkem

CAS: 7774-29-0 MW: 454,4 EC: 231-873-8 TARIC code: 28521000

HgI<sub>2</sub>

ADR: 6.1 T5 II UN 1638 IMDG: 6.1 II UN 1638 IATA: 6.1 II UN 1638



Mercury (II) Iodide red <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99% Soluble Hg salts (Hg) < 0.05% Solub. (10% KI) Passes test	Hg (I) < 0.1% Ni < 0.001% Cu < 0.001%	Pb < 0.001%	HGIO-00A-025  25 g	

## Methanol










labkem

CAS: 67-56-1 MW: 32,04 EC: 200-659-6 TARIC code: 29051100



CH<sub>3</sub>OH



ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



Methanol 99.8 % <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price	
App. Colourless/transp liq. Acetone < 0.003% H <sub>2</sub> O < 0.1% Cl <sup>-</sup> < 0.00005% Density at 20°C < 0.7965g/ml Assay > 99.8%	Res. on evap. < 0.0015% Subst. red. KMnO <sub>4</sub> (≥ 30min) Passes test Acidity < 0.003 Absence of benzene Fe < 0.00001	MTOL-P0P-1K0 MTOL-G0P-1K0 MTOL-P0P-5K0 MTOL-P0P-10K MTOL-M0P-25K	 1 L  1 L  5 L  10 L  25 L		
Methanol <b>AGR</b> ACS,ISO,Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.8% Non-Vol. Mat. < 0.001% H <sub>2</sub> O < 0.05% Free Alkalinity < 0.00005% Free Acid < 0.002% Al < 0.00005% B < 0.000002% Ba < 0.00001% Ca < 0.00005% Cd < 0.000005% Co < 0.000002% Cr < 0.000002% Cu < 0.000001% Fe < 0.00001%	Mg < 0.00001% Mn < 0.00001% Ni < 0.000002% Pb < 0.000002% Sn < 0.00001% Zn < 0.00001% Cl <sup>-</sup> < 0.00005% SO <sub>4</sub> < 0.0001% Acetaldehyde < 0.001% Acetone < 0.001% Ethanol < 0.1% Formaldehyde < 0.01% Subst. red. KMnO <sub>4</sub> < 0.00025% Density 0.791 - 0.793g/ml	Carbonyl comp. < 0.005% Res. on evap. < 0.001% R.C.S. Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Solub. in H <sub>2</sub> O Colour (Hazen) < 10Apha Acidity < 0.0003Meq/g Alkalinity < 0.0002Meq/g Abs. (230 nm) < 0.15nm Abs. (250 nm) < 0.05nm Abs. (270 nm) < 0.02nm Abs. (290 nm) < 0.01nm	MTOL-0IA-1K0 MTOL-0IA-2K5 MTOL-0IA-P04 MTOL-0IA-5K0	 1 L  2,5 L  4x2,5 L  5 L	



Methanol GC / HPLC <b>GGR</b>			INSTRUKEM	reference	packaging	price
ACS Spec. passes test UV spectrophotometry UV-Abs. max. lim. (205 nm) < 1.00 UV-abs. max. lim. (220 nm) < 0.25 UV-Abs. max. lim. (230 nm) < 0.15 UV-Abs. max. lim. (254 nm) < 0.02 UV-Abs. max. lim. (280 nm) < 0.01	UV Cutoff < 205nm LC Grad. Suit. Grad. Elut. test passes test Assay > 99.9% Colour (Hazen) < 10 H <sub>2</sub> O (by KF) < 0.05%	Titr. acid < 0.0003mEq/g Titr. base < 0.0002mEq/g Carbonyl comp. < 0.001% Subs. dark. by H <sub>2</sub> SO <sub>4</sub> passes test Subst. red. KMnO <sub>4</sub> passes test Solub. in H <sub>2</sub> O passes test		MTOL-0GH-2K5	 2,5 L	
				MTOL-0GH-P04	 4x2,5 L	

Methanol LC/MS <b>LGR</b>			INSTRUKEM	reference	packaging	price
Assay > 99.9% App. Clear colourless liquid H <sub>2</sub> O (by KF) < 0.05% Colour (Hazen) < 10 Acid. (Acetic acid) < 0.0003% Alkal. (Ammonia) < 0.0002% Res. on evap. < 0.001% Grad. elut. H. Peak (254 nm) < 0.002AU T220nm > 60% T235nm > 85% T260nm > 98% LC Grad. Suit. Passes test Ni < 0.000002% Ba < 0.00001% Fe < 0.00001%	Al < 0.00005% Ca < 0.00001% Cr < 0.000002% Cu < 0.000001% Mn < 0.000001% Co < 0.000002% Mg < 0.00001% Na < 0.00001% K < 0.00001% Pb < 0.000002% Cd < 0.000005% Ag < 0.00001% Sn < 0.00001% Zn < 0.00001%			MTOL-LCM-2K5	 2,5 L	
				MTOL-LCM-P04	 4x2,5 L	

## Methyl ethyl ketone






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CAS: 78-93-3 MW: 72,11 EC: 201-159-0 TARIC code: 29141200 Restriction: Drug precursor Cat. 3



ADR: 3 F1 II UN 1193 IMDG: 3 II UN 1193 IATA: 3 II UN 1193



Methyl ethyl ketone 99.5% <b>GLR</b>			BASICHEM	reference	packaging	price
Assay > 99.5% App. Colourless/transp liq. H <sub>2</sub> O < 0.05% Acid. (Acetic acid) < 0.003% Colour (Hazen) < 10	Density at 20°C 0.804 - 0.807g/ml Ethan. impurities < 0.5% Res. on evap. < 0.005% Distillation range 78.5 - 81.0°C			MEKT-P0P-1K0	 1 L	
				MEKT-G0P-1K0	 1 L	
				MEKT-P0P-5K0	 5 L	
				MEKT-P0P-10K	 10 L	
				MEKT-M0P-25K	 25 L	

## Methyl orange see p. 284

## Methyl red see p. 285

## Methylene blue see p. 286

## Naphtalene

labkem

CAS: 91-20-3 MW: 128,17 EC: 202-049-5 TARIC code: 29029000



ADR: 4.1 F1 III UN 1334 IMDG: 4.1 III UN 1334 IATA: 4.1 III UN 1334



Naphtalene 99.7% <b>AGR</b>			BASICHEM	reference	packaging	price
Melt. range 79.5 - 81°C	Assay > 99.7%			NANE-00A-500	 500 g	

## 1-Naphtol


labkem

CAS: 90-15-3 MW: 144,17 EC: 201-969-4 TARIC code: 29071510



ADR: 6.1 T2 III UN 2811 IMDG: 6.1 III UN 2811 IATA: 6.1 III UN 2811



1-Naphtol <b>AGR</b>			BASICHEM	reference	packaging	price
Melt. range 95 - 97°C Assay > 99% Insol. (MeOH) < 0.01%	Cl <sup>-</sup> < 0.005% 2-Naphtol < 0.2% Naphthalene < 0.2%	H <sub>2</sub> O < 0.2% Ash (SO <sub>4</sub> ) < 0.01% Fe < 0.001%	Heavy metals (Pb) < 0.001%	NAOL-01A-100	 100 g	

## Nessler's reagent

labkem

CAS: 7783-33-7 EC: 231-990-4 TARIC code: 38220000

ADR: 8(6.1) CT1 II UN 2922 IMDG: 8(6.1) II UN 2922 IATA: 8(6.1) II UN 2922



Nessler's reagent <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
For NH <sub>3</sub> App. Pale yellow coloured solution Sensit. to NH <sub>3</sub> Passes test	This reagent should be allowed to settle before use. It is packed with a small amount of precipitate to maintain its sensitivity during storage.	NESS-00A-250	250 ml	

## Nickel (II) nitrate hexahydrate

labkem

MW: 237.69 CAS: 7791-20-0 EC: 231-743-0 EC INDEX 028-011-00-6 UN 3288 TARIC code: 28273500

IMDG: 6.1 III UN 3288 ADR: 6.1 T5 III UN 3288 IATA: 6.1 III UN 3288



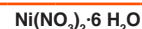
Nickel (II) nitrate hexahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 98% App. Green/Crystal. powder Insol. matter < 0.005%	Fe < 0.002% Cu < 0.001% Co < 0.005%	Pb < 0.002% Cd < 0.005% Zn < 0.001%	500 g	

## Nickel (II) nitrate hexahydrate

labkem

CAS: 13478-00-7 MW: 290,81 EC: 236-068-5 TARIC code: 28342920

ADR: 5.1 O2 III UN 2725 IMDG: 5.1 III UN 2725 IATA: 5.1 III UN 2725



Nickel (II) nitrate hexahydrate <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 98.0 Cl <sup>-</sup> < 0.003 Fe < 0.005	Cu < 0.002 Co < 0.02 Pb < 0.001	Zn < 0.05 SO <sub>4</sub> < 0.01	250 g	

## Nitric acid

labkem





CAS: 7697-37-2 MW: 63,01 EC: 231-714-2 TARIC code: 28080000

ADR: 8(5.1) CO1 II UN 2031 IMDG: 8(5.1) II UN 2031 IATA: 8(5.1) II UN 2031



Nitric acid 65% <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 65% Density at 20°C approx. - 1.4g/ml Ash (SO <sub>2</sub> ) < 0.005% Cl <sup>-</sup> < 0.0003% PO <sub>4</sub> < 0.001% SO <sub>4</sub> < 0.001%	Heavy metals (Pb) < 0.0003% As < 0.000003% Cr < 0.0002% Cu < 0.00005% Fe < 0.0005% Mg < 0.0001%	Mn < 0.00005% Ni < 0.0001% Pb < 0.0001% Zn < 0.00005%	1 L	
Nitric acid 65% <b>AGR</b> ISO	<b>BASICHEM</b>	reference	packaging	price
Assay > 65% Res. on ignition < 0.0005% As < 0.000001%	Ca < 0.0001% Cd < 0.000001% Cu < 0.000005%	Fe < 0.00002% Pb < 0.000005% Zn < 0.00001%	Cl <sup>-</sup> < 0.00005% PO <sub>4</sub> < 0.00005% SO <sub>4</sub> < 0.0001%	1 L 2,5 L 4x2,5 L
Nitric acid 70% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 69% PO <sub>4</sub> < 0.0002% Density at 20°C 1.41g/ml Cl <sup>-</sup> < 0.00005%	Res. on ignition < 0.00025% Fe < 0.00001% Cu < 0.000001% SO <sub>4</sub> < 0.0002%	Mn < 0.000001% Mg < 0.00001% As < 0.000001% Pb < 0.000001%	Zn < 0.000005%	1 L 2,5 L 4x2,5 L 2,5 L



Nitric acid 67-69% <b>TGR</b> for trace analysis (ppb)				 <b>INSTRUKEM</b>	reference	packaging	price
Assay 67 - 69%	Fe < 0.0000001%	As < 0.00000005%	Sn < 0.00000005%	 <b>INSTRUKEM</b> reference NIAC-TGR-2K5 packaging  2,5 L price	 2,5 L		
Sb < 0.00000005%	Al < 0.0000001%	Mo < 0.00000001%	Zn < 0.00000005%				
Cl < 0.000002%	Ca < 0.0000001%	Pb < 0.00000001%	W < 0.00000001%				
Be < 0.00000001%	Cr < 0.0000001%	Nueva linea < 0.00000005%	P < 0.000001%				
Colour (Hazen) < 10	Cu < 0.00000005%	Hg < 0.00000001%	Use within 15 months of opening, up to unopened expiration date				
S < 0.00003%	Mn < 0.00000001%	Sr < 0.00000001%					
Bi < 0.00000001%	Co < 0.00000005%	Cd < 0.00000005%					
Ba < 0.00000001%	Li < 0.00000001%	Pt < 0.00000005%					
B < 0.0000001%	Mg < 0.0000001%	Ag < 0.0000001%					
Ni < 0.00000005%	Na < 0.0000001%	Rh < 0.00000005%					

## Nitric acid, volumetric solutions

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CAS: 7697-37-2 MW: 63,01 EC: 231-714-2 TARIC code: 28080000

 $\text{HNO}_3$ 

ADR: 8 C1 II UN 2031 IMDG: 8 II UN 2031 IATA: 8 II UN 2031



Nitric acid, volumetric solution 1.0 M (1.0 N)				 <b>BASICEM</b>	reference	packaging	price
Concentration (M) 0.999 - 1.001M	Tolerance (M) 0.001M	reference NIAC-1V0-1K0	packaging  1 L	price			
Concentration (N) 0.999 - 1.001N	Tolerance (N) 0.001N						

## p-Nitroaniline


labkem

CAS: 100-01-6 MW: 138,12 EC: 202-810-1 TARIC code: 29214200

 $\text{C}_6\text{H}_6\text{N}_2\text{O}_2$ 

ADR: 6.1 T2 II UN 1661 IMDG: 6.1 II UN 1661 IATA: 6.1 II UN 1661




p-Nitroaniline <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 99%	Melt. range 147 - 149°C	Ash < 0.05%	reference NIAN-POA-100	packaging  100 g	price		

## 2-Nitrobenzaldehyde

labkem

CAS: 552-89-6 MW: 151,12 EC: 209-025-3 TARIC code: 29130000

 $(\text{NO}_2)\text{C}_6\text{H}_4\text{CHO}$ 


2-Nitrobenzaldehyde 99% <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay (Hydroxylamine titr.) > 99%	Ash ( $\text{SO}_4$ ) < 0.1%	Heavy metals (Pb) < 0.001%	reference NIBZ-00A-025	packaging  25 g	price		
Melt. range 41 - 43°C	Fe < 0.0005%						

## Oleic acid

labkem

CAS: 112-80-1 MW: 282,47 EC: 204-007-1 TARIC code: 29161500

 $\text{C}_{17}\text{H}_{33}\text{COOH}$ 

Oleic acid <b>EPR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 65%	Cont. of oleic acid > 65%	Refractive index 1.46 - 1.463	reference OLAC-00T-500	packaging  500 ml	price		
Comp. of fatty acids > 97%	Density at 20°C 0.89g/ml						



## Orthophosphoric acid 85%


labkem


CAS: 7664-38-2 MW: 98 EC: 231-633-2 TARIC code: 28092000

 $\text{H}_3\text{PO}_4$ 

ADR: 8 C1 III UN 1805 IMDG: 8 III UN 1805 IATA: 8 III UN 1805

Orthophosphoric acid 85% <b>EPR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 84.5	Cl < 0.001%	$\text{SO}_4$ < 0.01%	reference ORAC-00P-1K0	packaging  1 L	price		
Subst. Red. $\text{H}_3\text{PO}_3$ < 0.1%	Density at 20°C 1.678 - 1.721g/ml	As < 0.0002%					
Mg + Ca < 0.02%	Fe < 0.005%	Heavy metals (Pb) < 0.002%	reference ORAC-00P-2K5	packaging  2,5 L	price		
$\text{NO}_3$ < 0.001%							

Orthophosphoric acid 85% <b>AGR</b>				<b>BASICEM</b>	reference	packaging	price
Assay > 85%	Density at 20°C ~ 1.7g/ml	Cu < 0.004%	Na < 0.05%	reference ORAC-00A-1K0	packaging  1 L	price	
$\text{NO}_3$ < 0.0005%	Fe < 0.0015%	Si < 0.025%	K < 0.005%				
Subst. red. $\text{H}_3\text{PO}_3$ < 0.001%	Ca < 0.004%	Mn < 0.0005%	As < 0.0001%				
Cl < 0.0005%	$\text{SO}_4$ < 0.002%	Mg < 0.004%	Pb < 0.001%				

Orthophosphoric acid 85% <b>AGR</b> ACS, ISO, Ph.Eur.	<b>BASICHEM</b>	reference	packaging	price
Assay > 85% Volatile Acids < 0.001% Subst. red. $\text{KMnO}_4$ < 0.001% Cl < 0.0002% Sb < 0.0002% Colour (Hazen) < 10 F < 0.0001% $\text{NO}_3$ < 0.0003% $\text{H}_3\text{PO}_3$ < 0.002%	$\text{SO}_3$ < 0.003% $\text{SiO}_2$ < 0.025% Ni < 0.0001% Fe < 0.0005% Heavy metals (Pb) < 0.0005% Ca < 0.005% Cu < 0.0001% Mn < 0.00005% Co < 0.0001%	Mg < 0.001% Na < 0.025% K < 0.0005% As < 0.00005% Pb < 0.0001% Cd < 0.0001% Zn < 0.0002%	ORAC-01A-1K0	 1 L

## Oxalic acid dihydrate



labkem

CAS: 6153-56-6 MW: 126,07 EC: 205-634-3 TARIC code: 29171100



ADR: 8 C4 III UN 3261 IMDG: 8 III UN 3261 IATA: 8 III UN 3261




Oxalic acid dihydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 99.5 - 102.5 Insol. matter < 0.005% Total N < 0.001% Cl < 0.0005% Subs. dark. by $\text{H}_2\text{SO}_4$	Fe < 0.0002% Res. on ignition < 0.01% Heavy metals (Pb) < 0.0005% $\text{SO}_4$ < 0.005% Ca < 0.001%	Cu < 0.0005% Mg < 0.002% Pb < 0.0005%	OXAC-02A-500	 500 g
			OXAC-02A-1K0	 1 Kg

## Oxalic acid, volumetric solutions

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CAS: 6153-56-6 MW: 126,07 TARIC code: 38220000





Oxalic acid, volumetric solution 0.05 M (0.1 N)	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.0499 - 0.0501M Concentration (N) 0.0998 - 0.1002N	Tolerance (M) 0.0001M Tolerance (N) 0.0002N	OXAC-01V-1K0	 1 L	

## Paraffin, light liquid

labkem

CAS: 8042-47-5 EC: 232-455-8 TARIC code: 27101985

Paraffin, light liquid <b>GLR</b> Ph.Eur.	<b>BASICHEM</b>	reference	packaging	price
Identification Conforms App. Colourless/transp./oily liquid free from fluoresc.in daylight	Acid. or alk. Passes test Rel. dens. 0.81 - 0.875 Viscosity 25 - 80mPa.	PAH Passes test Readily carbonis. subs. Passes test Solid paraffins Passes test	PALI-POP-1K0	 1 L
			PALI-POP-5K0	 5 L

## n-Pentane


labkem

CAS: 109-66-0 MW: 72.15 EC: 203-692-4 TARIC code: 29011000 Restriction: Hydrocarbon



ADR: 3 II F1 UN 1265 IMDG: 3 II UN 1265 IATA: 3 II UN 1265



n-Pentane <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99 $\text{H}_2\text{O}$ < 0.01% S < 0.005% Acidity < 0.0005% Ba < 0.00001%	Ni < 0.000002% Res. on evap. < 0.001% Fe < 0.00001% Al < 0.00005% Ca < 0.00005%	Cr < 0.0000002% Cu < 0.0000002% Mn < 0.000002% Co < 0.000002% Mg < 0.00001%	Pb < 0.00001% Cd < 0.000005% Sn < 0.00001% Zn < 0.00001%	PENT-00A-1K0	 1 L

## Pepton from casein see p. 24

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)**Disclaimer:** Labkem chemical products are exclusively for use in laboratory and by instructed and experienced technicians. These chemical products may be dangerous, so please follow instructions mentioned on the Material safety data sheets.

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## Perchloric acid 60%

labkem

CAS: 7601-90-3 MW: 100,46 EC: 231-512-4 TARIC code: 28111980

HClO<sub>4</sub>

ADR: 5.1 I UN 1873 IMDG: 5.1 I UN 1873 IATA: 5.1 I UN 1873



Perchloric acid 60% <b>AGR</b> ACS ISO Ph.Eur.		BASICHEM	reference	packaging	price
Assay > 60%	Fe < 0.0001%	K < 0.00001%	V < 0.000005%	 1 L	
Be < 0.000002%	Al < 0.000005%	Mo < 0.000005%	Zr < 0.00001%		
Ge < 0.000005%	Ca < 0.00005%	As < 0.000005%	ClO <sub>3</sub> < 0.001%		
Cl <sup>-</sup> < 0.0003%	Cu < 0.00001%	Pb < 0.000005%	Ag < 0.000005%		
Bi < 0.00001%	Mn < 0.000002%	Ti < 0.00001%	N < 0.001%		
SiO <sub>2</sub> < 0.0005%	Co < 0.000005%	Hg < 0.000005%	Zn < 0.00001%		
Ni < 0.00001%	Li < 0.000002%	Tl < 0.000005%			
Ba < 0.000002%	Mg < 0.00005%	Cd < 0.000005%			
SO <sub>4</sub> < 0.001%	Na < 0.00005%	Sr < 0.000002%			

## Petroleum ether 40-60

labkem

CAS: 64742-49-0 EC: 265-151-9 TARIC code: 27101225 Restriction: Hydrocarbon

ADR: 3 II UN 1268 IMDG: 3 II UN 1268 IATA: 3 II UN 1268



Petroleum ether 40-60 <b>GLR</b>		BASICHEM	reference	packaging	price
Res. on evap. < 0.001%	Benzene < 0.001%	Destil.Range 40 - 60°C	PEET-40P-1K0	 1 L	
H <sub>2</sub> O < 0.01%	S < 0.005%	APP 0°C Passes test	PEET-40P-2K5	 2,5 L	
			PEET-40P-P04	 4x2,5 L	

Petroleum ether 40-60 <b>AGR</b>		BASICHEM	reference	packaging	price
Non-Vol. Mat. < 0.001%	Cd < 0.000005%	Ni < 0.000002%	Colour < 10APHA	 1 L	
H <sub>2</sub> O < 0.01%	Co < 0.000002%	Pb < 0.000002%	Density 0.640 - 0.655g/ml		
Free Acid < 0.002%	Cr < 0.000002%	Sn < 0.00001%	Boiling range > 90%		
Al < 0.00005%	Cu < 0.000002%	Zn < 0.00001%	Res. on evap. < 0.001%	PEET-40A-2K5	 2,5 L
B < 0.000002%	Fe < 0.00001%	Benzene < 0.01%		PEET-40A-P04	 4x2,5 L
Ba < 0.00001%	Mg < 0.00001%	Iodine Number < 0.3			
Ca < 0.00005%	Mn < 0.000002%	S < 0.005%			

Petroleum ether 40-60 HPLC <b>GGR</b>		INSTRUKEM	reference	packaging	price
Water < 0.01%	UV-Tr. (1cm;Wat.) 210 nm > 60%	UV-Tr. (1cm;Wat.) 240 nm > 98%	PEET-4GH-2K5	 2,5 L	
Acidity < 0.0005meq/g	UV-Tr. (1cm;Wat.) 220 nm > 80%	UV-Tr. (1cm;Wat.) 250 nm > 99%			
Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 230 nm > 90%		PEET-4GH-P04	 4x2,5 L	

pH standards see p. 202

1,10-Phenantroline monohydrate see p. 285

## Phenol crystallized

labkem

CAS: 108-95-2 MW: 94,11 EC: 203-632-7 TARIC code: 29071100

C<sub>6</sub>H<sub>5</sub>OH

ADR: 6.1 T2 II UN 1671 IMDG: 6.1 II UN 1671 IATA: 6.1 II UN 1671



Phenol crystallized <b>EPR</b>		BASICHEM	reference	packaging	price
Assay (GC) > 98.0	App. White or pink crystals or mass		PHOL-00T-500	 500 g	
Solidif. point 38 - 42°C					

Phenol crystallized <b>AGR</b> ACS		BASICHEM	reference	packaging	price
Assay (GC) > 99.5	Insol. matter < 0.005%	Stabilizer < 0.15%	PHOL-00A-500	 500 g	
Solub. (5% in wat.) Clear/colourless solution	Cl <sup>-</sup> < 0.005%	Phenol becomes pink on exposure to air and light.			
Freezing point 40.5 - 41°C	Fe < 0.0001%				
Res. on evap. < 0.02%	Pb < 0.001%				
	H <sub>2</sub> O < 0.5%				

Phenol red see p. 285


Phenolphthalein see p. 285

## Potassium bromide

labkem

CAS: 7758-02-3 MW: 119 EC 231-830-3 TARIC code 28275100

KBr


Potassium bromide <b>AGR</b>	<b>BASICHEM</b>			reference	packaging	price
Assay > 99 Insol. matter < 0.01% Total N < 0.001% Cl <sup>-</sup> ClO <sub>3</sub> <sup>-</sup> < 0.002%	PO <sub>4</sub> <sup>-</sup> < 0.001% Ca + Mg < 0.008% SiO <sub>2</sub> < 0.004% Fe < 0.001%	SO <sub>4</sub> <sup>-</sup> < 0.004% Heavy metals (Pb) < 0.0005% Cu < 0.0005%	As < 0.00005%	POBR-00A-500	 500 g	

## Potassium carbonate

labkem

CAS: 584-08-7 MW: 138,21 EC: 209-529-3 TARIC code: 28364000

K<sub>2</sub>CO<sub>3</sub>


Potassium carbonate <b>AGR</b>	<b>BASICHEM</b>			reference	packaging	price
Assay > 99% Insol. matter < 0.01% Total N < 0.001% Cl <sup>-</sup> ClO <sub>3</sub> <sup>-</sup> < 0.002%	PO <sub>4</sub> <sup>-</sup> < 0.001% Ca + Mg < 0.008% SiO <sub>2</sub> < 0.004% Fe < 0.001%	SO <sub>4</sub> <sup>-</sup> < 0.004% Heavy metals (Pb) < 0.0005% Cu < 0.0005% As < 0.00005%		POCA-00A-500	 500 g	


## Potassium chloride

labkem

CAS: 7447-40-7 MW: 74,55 EC: 231-211-8 TARIC code: 31042000

KCl

Potassium chloride <b>EPR</b> Grade Ph. Eur.	<b>BASICHEM</b>			reference	packaging	price
Assay KCl (dried subst.) 99 - 101% App. White/almost white/crystalline powder or colourless crystals Identification Conforms Loss on dry. < 1% App. of sol. Conforms	Acid. or alk. Passes test I <sup>-</sup> Passes test Ba Passes test SO <sub>4</sub> <sup>-</sup> < 0.03% Fe < 0.002% Heavy metals (Pb) < 0.001%	Al < 0.0001% Mg and alk.-earth metals (Ca) < 0.02% Na < 0.1% Br < 0.1%		POCL-00P-1K0	 1 kg	

Potassium chloride <b>AGR</b> ISO, Ph. Eur.	<b>BASICHEM</b>			reference	packaging	price
Assay > 99.5% Ba < 0.001% Ca < 0.001% Fe < 0.0002%	Mg < 0.0005% Na < 0.02% Heavy metals (Pb) < 0.0005%	Br < 0.01% I <sup>-</sup> < 0.002% PO <sub>4</sub> <sup>-</sup> < 0.0005% SO <sub>4</sub> <sup>-</sup> < 0.002%	N < 0.001% Loss on dry. < 0.2% pH 5 - 8%	POCL-00A-1K0	 1 kg	

Potassium chloride, electrode solutions see p. 202


## Potassium chromate

labkem

CAS: 7789-00-6 MW: 194,19 EC: 232-140-5 TARIC code: 28415000

K<sub>2</sub>CrO<sub>4</sub>

ADR: 6.1 T5 II UN 3288 IMDG: 6.1 II UN 3288 IATA: 6.1 II 3288

Potassium chromate <b>AGR</b> ACS	<b>BASICHEM</b>			reference	packaging	price
Assay > 99.5 Insol. matter < 0.005%	pH (5%) 9 - 9.8 Cl <sup>-</sup> < 0.001%	Ca < 0.005% Na < 0.05%	Pb < 0.005% SO <sub>4</sub> <sup>-</sup> < 0.01%	POCH-00A-500	 500 g	

Potassium chromate solution, indicator see p. 286



## Potassium dichromate

labkem

CAS: 7778-50-9 MW: 294,19 EC: 231-906-6 TARIC code: 28415000



ADR: 6.1(5.1) TO2 II UN 3086 IMDG: 6.1(5.1) II UN 3086 IATA: 6.1(5.1) II UN 3086



Potassium dichromate <b>AGR</b> , ACS, ISO, Ph.Eur.	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.8% Loss on dry. < 0.05% Ca < 0.002% Cu < 0.001%	Fe < 0.001% Na < 0.01% Pb < 0.005% Cl < 0.001%	SO <sub>4</sub> < 0.005% Insol. matter < 0.005%	PODC-00A-250 250 g	

## Potassium dichromate, volumetric solution

labkem

CAS: 7778-50-9 MW: 294,19 EC: 231-906-6 TARIC code: 28415000



ADR: 6.1(9E) T4 III UN 3287 IMDG: 6.1(9E) III UN 3287 IATA: 6.1(9E) III UN 3287



Potassium dichromate, volumetric solution 0.0167 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Comp. 4.9032g K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> /L Concentration (20°C) (M) 0.01663 - 0.0167M Concentration (20°C) (N) 0.0998 - 0.1002N	Tolerance (M) 0.000033M Tolerance (N) 0.0002N	PODC-01V-1K0	1 L	

## Potassium dihydrogen phosphate

labkem

CAS: 7778-77-0 MW: 136,08 EC: 231-913-4 TARIC code: 28352400



Potassium dihydrogen phosphate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% pH (5%) 4.3 - 4.5 Insol. matter < 0.01%	Cl < 0.0005% Total N < 0.001% Loss on dry. < 0.2%	Fe < 0.001% Heavy metals (Pb) < 0.001% SO <sub>4</sub> < 0.002%	Na < 0.02% PODP-00A-500 500 g	

## Potassium hexacyanoferrate (II) trihydrate

labkem

CAS: 14459-95-1 MW: 422,39 EC: 237-722-2 TARIC code: 28372000



Potassium hexacyanoferrate (II) trihydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay (by cerimetry) 99 - 102% Insol. matter < 0.005%	Cl < 0.01% SO <sub>4</sub> < 0.01%	POHF-23A-500 500 g		

## Potassium hexacyanoferrate (III)

labkem

CAS: 13746-66-2 MW: 329,25 EC: 237-323-3 TARIC code: 28372000



Potassium hexacyanoferrate (III) <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay (by iodometry) > 99.0% App. Red crystals	Insol. matter < 0.005% Cl < 0.01%	SO <sub>4</sub> < 0.01% (Fe(CN) <sub>6</sub> ) <sup>3-</sup> < 0.05%	POHF-30A-500 500 g	

## di-Potassium hydrogen phosphate anhydrous

labkem

CAS: 7758-11-4 MW: 174,18 EC: 231-834-5 TARIC code: 28352400




di-Potassium hydrogen phosphate anhydrous <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
App. Colourless crystals or powder Assay > 99% Insol. matter < 0.01% Loss on dry. < 1.0%	pH (5%, 20°C) 8.5 - 9.6 Total N < 0.002% Cl < 0.005% SO <sub>4</sub> < 0.005%	Heavy metals (Pb) < 0.001% As < 0.0002% Fe < 0.001% Na < 0.5%	POHP-00A-500 500 g	

## Potassium hydrogen phthalate

labkem

CAS: 877-24-7 MW: 204,22 EC: 212-889-4 TARIC code: 29173995

 $C_8H_5KO_4$ 

Potassium hydrogen phthalate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. White crystalline powder Assay (after drying) > 99.5% Insol. matter < 0.005% Loss on dry. (110 °C) < 0.2%	Cl <sup>-</sup> < 0.002% Phthalic acid < 0.005% SO <sub>4</sub> < 0.005% Cu < 0.0005%	Fe < 0.0005% Heavy metals (Pb) < 0.0005% Na < 0.01%	POPH-00A-500	 500 g	

## Potassium hydroxyde



labkem




CAS: 1310-58-3 MW: 56,11 EC: 215-181-3 TARIC code: 28152000

KOH

ADR: 8 C6 II UN 1813 IMDG: 8 II UN 1813 IATA: 8 II UN 1813



Potassium hydroxyde 85% <b>EPR</b> pellets	<b>BASICHEM</b>	reference	packaging	price	
Appearance/colour White to gray granule or flakes Assay > 85% Total N < 0.001%	Cl <sup>-</sup> < 0.01% PO <sub>4</sub> < 0.003% SiO <sub>2</sub> < 0.01% SO <sub>4</sub> < 0.005%	CO <sub>3</sub> (K <sub>2</sub> CO <sub>3</sub> ) < 1.5% Heavy metals (Pb) < 0.002% Al < 0.01% Ca < 0.003%	Fe < 0.001%	POHY-P0T-500	 500 g
				POHY-P0T-1K0	 1 Kg

Potassium hydroxyde 85% <b>AGR</b> pellets	<b>BASICHEM</b>	reference	packaging	price	
Appearance/colour White or grey granule Assay > 85% Total N < 0.001% Cl <sup>-</sup> < 0.004% PO <sub>4</sub> < 0.001%	SiO <sub>2</sub> < 0.005% SO <sub>4</sub> < 0.002% CO <sub>3</sub> (K <sub>2</sub> CO <sub>3</sub> ) < 1.5% Heavy metals (Pb) < 0.001% Ag < 0.0005% Al < 0.001%	Ba < 0.0005% Ca < 0.001% Cd < 0.0005% Co < 0.0005% Cu < 0.0005% Fe < 0.001%	Mg < 0.0005% Mn < 0.0005% Na < 0.5% Ni < 0.0005% Sr < 0.0005% Zn < 0.0005%	POHY-P0A-500	 500 g
				POHY-P0A-1K0	 1 Kg
				POHY-P0A-5K0	 5 Kg

## Potassium Hydroxide, volumetric solutions


labkem


CAS: 1310-58-3 MW: 56,11 EC: 215-181-3 TARIC code: 28152000

KOH

ADR: 8 C5 III UN 1814 IMDG: 8 III UN 1814 IATA: 8 III UN 1814



Potassium Hydroxide, volumetric solution 0.1 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (20°C) (M) 0.0996 - 0.1004M Concentration (20°C) (N) 0.0996 - 0.1004N	Tolerance (M) 0.0004M Tolerance (N) 0.0004N		POHY-01V-1K0	 1 L

Potassium Hydroxide, volumetric solution 1 M (1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
App. Colourless clear liquid Concentration (25°C) (M) 0.996 - 1.004M Concentration (25°C) (N) 0.996 - 1.004N	Tolerance (M) 0.004M Tolerance (N) 0.004N		POHY-1V0-1K0	 1 L

## Potassium Hydroxide, volumetric solutions in ethanol

labkem

MW: 56,11 TARIC code: 38220000

KOH

ADR: 3(8) FC II UN 2924 IMDG: 3(8) II UN 2924 IATA: 3(8) II UN 2924



Potassium Hydroxide, volumetric solution 0.1 M (0.1 N) in ethanol <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Comp. 5.612 g KOH / L C <sub>2</sub> H <sub>5</sub> OH Concentration (20°C) (M) 0.0998 - 0.1002M Concentration (20°C) (N) 0.0998 - 0.1002N	Tolerance (M) 0.0002M Tolerance (N) 0.0002N		POHY-E1V-1K0	 1 L

Potassium Hydroxide, volumetric solution 0.5 M (0.5 N) in ethanol <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Comp. 28.055g KOH / L C <sub>2</sub> H <sub>5</sub> OH Concentration (20°C) (M) 0.499 - 0.501M Concentration (20°C) (N) 0.499 - 0.501N	Tolerance (M) 0.001M Tolerance (N) 0.001N		POHY-E5V-1K0	 1 L



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GRADES and FAMILIES information on p. 282

## Potassium iodide

labkem

CAS: 7681-11-0 MW: 166.00 EC: 231-659-4 TARIC code: 28276000

KI



Potassium iodide <b>EPR</b> Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
App. White granular material of small uniform particle size with free flowing characteristics Odour Odourless Assay >99% Insol. matter < 0.01% pH (5%) 6 - 9.2	Loss on dry. (150 °C) < 0.3% IO <sub>3</sub> < 0.001% Cl <sup>-</sup> and Br (Cl) < 0.05% N Comp. (N) < 0.001% SO <sub>4</sub> < 0.01% Heavy metals (Pb) < 0.001% PO <sub>4</sub> < 0.005%	Ba < 0.005% Ca < 0.005% Na < 0.01% Mg < 0.005% Fe < 0.0006% Org. Volat. impur. conforms	POIO-00P-250	250 g	
			POIO-00P-500	500 g	
			POIO-00P-1K0	1 kg	

Potassium iodide <b>AGR</b> ACS	<b>BASICEM</b>	reference	packaging	price	
App. White granular material of small uniform particle size with free flowing characteristics Odour Odourless Assay >99% Insol. matter < 0.005% pH (5%) 6 - 9.2	Loss on dry. (150 °C) < 0.2% IO <sub>3</sub> < 0.0003% Cl <sup>-</sup> and Br (Cl) < 0.01% SO <sub>4</sub> < 0.005% N Comp. (N) < 0.001% Heavy metals (Pb) < 0.0005% PO <sub>4</sub> < 0.001%	Ba < 0.002% Ca < 0.002% Na < 0.005% Mg < 0.001% Fe < 0.0003% Org. Volat. impur. conforms	POIO-00A-250	250 g	
			POIO-00A-1K0	1 kg	

## Potassium nitrate

labkem

CAS: 7757-79-1 MW: 101.10 EC: 231-818-8 TARIC code: 28342100

ADR: 5.1 O2 III UN 1486 IMDG: 5.1 III UN 1486 IATA: 5.1 III UN 1486

KNO<sub>3</sub>

Potassium nitrate <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay >98.5% App. White powder Insol. matter < 0.005% H <sub>2</sub> O < 0.5% Cl <sup>-</sup> < 0.002%	PO <sub>4</sub> < 0.001% NH <sub>4</sub> < 0.005% SO <sub>4</sub> < 0.02% Fe < 0.001% Heavy metals (Pb) < 0.0005%	Ca < 0.002% Mg < 0.002% Na < 0.03% NO <sub>2</sub> < 0.001%	PONA-00P-1K0	1 kg	

Potassium nitrate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay >99% App. white powder Insol. matter < 0.005% H <sub>2</sub> O < 0.2% Cl <sup>-</sup> < 0.001% pH (5%, 20°C) 5.5 - 8	PO <sub>4</sub> < 0.0003% IO <sub>3</sub> < 0.0005% SO <sub>4</sub> < 0.003% Fe < 0.0002% NH <sub>4</sub> < 0.005% Ca < 0.002%	Cu < 0.001% Mg < 0.001% Na < 0.02% NO <sub>2</sub> < 0.0005% Pb < 0.001% Zn < 0.001%	PONA-00A-500	500 g	
			PONA-00A-1K0	1 kg	

## Potassium permanganate

labkem

CAS: 7722-64-7 MW: 158.04 EC: 231-760-3 TARIC code: 28416100 Restriction: Drugs Precursors Cat. 2

ADR: 5.1 O2 II UN 1490 IMDG: 5.1 II UN 1490 IATA: 5.1 II UN 1490

KMnO<sub>4</sub>

Potassium permanganate <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay >99.5% App. Violet crystals Insol. matter < 0.1% Cl <sup>-</sup> < 0.005%	Insol. imp.(w/o MnO <sub>2</sub> ) < 0.01% Total N < 0.005% Fe < 0.005% SO <sub>4</sub> < 0.005%	Cu < 0.001% Pb < 0.002%	KMNO-00A-500	500 g	
			KMNO-00A-1K0	1 kg	

## Potassium permanganate, volumetric solutions

labkem

CAS: 7722-64-7 MW: 158,04 EC: 231-760-3 TARIC code: 28416100 Restriction: Drugs Precursors Cat. 2

KMnO<sub>4</sub>

ADR: 9 M6 III UN 3082 IMDG: 9 III UN 3082 IATA: 9 III UN 3082



Potassium permanganate 0.02 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Comp. 3.161 g KMnO <sub>4</sub> / L Concentration (20°C) (M) 0.01996 - 0.02004M Concentration (20°C) (N) 0.0998 - 0.1002N	Tolerance (M) 0.00004M Tolerance (N) 0.0002N	KMNO-01V-1K0	1 L	

## Potassium sodium tartrate tetrahydrate

labkem

CAS: 6381-59-5 MW: 282,22 EC: 205-698-2 TARIC code: 29181300

C<sub>4</sub>H<sub>4</sub>KNaO<sub>6</sub>·4H<sub>2</sub>O

Potassium sodium tartrate tetrahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 99 - 102% App. Colourless crystals or white powder Insol. matter < 0.01% Cl < 0.001% pH (5%, 20°C) 7 - 8.5 Subst. red. KMnO <sub>4</sub> Passes test	NH <sub>4</sub> < 0.002% SO <sub>4</sub> < 0.01% Fe < 0.0005% Heavy metals (Pb) < 0.0005% Ca < 0.002%	POST-00A-500  POST-00A-1K0	500 g  1 kg	

## Potassium sulphate

labkem

CAS: 7778-80-5 MW: 174,27 EC: 231-915-5 TARIC code: 31043000

K<sub>2</sub>SO<sub>4</sub>

Potassium sulphate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay (by acidimetry) > 99% App. White/colourless cryst. Insol. matter < 0.01% pH (5%) 5.5 - 8.5 Cl < 0.001%	Total N < 0.001% Fe < 0.0005% Heavy metals (Pb) < 0.001% Ca < 0.005% Cu < 0.0005%	Mg < 0.002% Na < 0.02% As < 0.0001% Cd < 0.0005%	POSU-00A-500 	500 g

## Potassium thiocyanate

labkem

CAS: 333-20-0 MW: 97,18 EC: 206-370-1 TARIC code: 28429080

KSCN



Potassium thiocyanate <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price
App. Colourless to white deliquescent crystals Assay > 98.5% Insol. matter < 0.005% pH (5%) 5.3 - 8.5 Cl < 0.005% SO <sub>4</sub> < 0.005%	NH <sub>4</sub> < 0.003% Fe < 0.0002% Heavy metals (Pb) < 0.0005% Na < 0.005% I consuming subst. Passes ACS test	POTH-00A-500	500 g	

## 1-Propanol

labkem

CAS: 71-23-8 MW: 60,1 EC: 200-746-9 TARIC code: 29051200

CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH

ADR: 3 F1 II UN 1274 IMDG: 3 II UN 1274 IATA: 3 II UN 1274



1-Propanol HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.5% Water (KF) < 0.05% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 250 nm > 90% UV-Tr. (1cm;Wat.) 290 nm > 98% UV-Tr. (1cm;Wat.) 300 nm > 99%	PROL-1GH-2K5  PROL-1GH-P04	2,5 L  4x2,5 L	

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## 2-Propanol

labkem

CAS: 67-63-0 MW: 60,1 EC: 200-661-7 TARIC code: 29051200

CH3CH(OH)CH3

ADR: 3 F1 II UN 1219 IMDG: 3 II UN 1219 IATA: 3 II UN 1219



2-Propanol 99.9% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.9% App. Colourless transparent liquid Colour (Hazen) < 10 Water < 0.1%  Acid. (Acetic acid) < 0.001% Density at 20°C 0.784 - 0.786g/ml Refractive index 1.376 - 1.378 Non-Vol. Mat. < 0.001g/100ml		PROL-P0P-1K0	1 L	
		PROL-G0P-1K0	1 L	
		PROL-P0P-5K0	5 L	
		PROL-P0P-10K	10 L	
		PROL-M0P-25K	25 L	

2-Propanol <b>AGR</b> ACS, Ph. Eur.	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.8% Non-Vol. Mat. < 0.0005% H <sub>2</sub> O < 0.1% Al < 0.00005% B < 0.000002% Ba < 0.00001% Ca < 0.00005% Cd < 0.000005% Co < 0.000002% Cr < 0.000002% Cu < 0.000002% Fe < 0.00001%  Mg < 0.00001% Ni < 0.000002% Pb < 0.00001% Sn < 0.00001% Na < 0.0001% S < 0.00005% Zn < 0.00001% Acetone < 0.002% Ethanol < 0.01% Methanol < 0.1% Carbonyl comp. < 0.002% Subst. red. KMnO <sub>4</sub> < 0.0005%  Density 0.784 - 0.786g/ml Res. on evap. < 0.001% Solub. in H <sub>2</sub> O Colour < 10Apha Acidity < 0.0001meq/g Alkalinity < 0.0001meq/g Benzene < 0.002% Abs. (230 nm) < 0.3nm Abs. (250 nm) < 0.1nm Abs. (270 nm) < 0.03nm Abs. (290 nm) < 0.020nm Abs. (310 nm) < 0.01nm		PROL-0IA-1K0	1 L	
		PROL-0IA-2K5	2,5 L	
		PROL-0IA-P04	4x2,5 L	
		PROL-0IA-5K0	5 L	

2-Propanol HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.1% Colour (Hazen) < 10 Acidity < 0.0005meq/g Res. on evap. < 0.0005%  UV-Tr. (1cm;Wat.) 210 nm > 40% UV-Tr. (1cm;Wat.) 220 nm > 56% UV-Tr. (1cm;Wat.) 230 nm > 75% UV-Tr. (1cm;Wat.) 240 nm > 91% UV-Tr. (1cm;Wat.) 250 nm > 96%		PROL-2GH-2K5	2,5 L	
		PROL-2GH-P04	4x2,5 L	

2-Propanol LC/MS <b>LGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.9% Filtered through 0.2 µm App. Clear colourless liquid H <sub>2</sub> O (by KF) < 0.05% Colour (Hazen) < 5 Acid. (Acetic acid) < 0.002% Alkal. (Ammonia) < 0.002% Res. on evap. < 0.0005% Grad. elut. H. Peak (210 nm) < 0.002AU  Grad. elut. H. Peak (254 nm) < 0.002AU T210nm > 40% T220nm > 80% T230nm > 90% T250nm > 98% Ca < 0.00001% Mg < 0.00001% Na < 0.00001% K < 0.00001%		PROL-LCM-2K5	2,5 L	
		PROL-LCM-P04	4x2,5 L	

## Propionic acid 99%

labkem

CAS: 79-09-4 MW: 74,08 EC: 201-176-3 TARIC code: 29155000

CH3CH2COOH

ADR: 8(3) CF1 II UN 3463 IMDG: 8(3) II UN 3463 IATA: 8(3) II UN 3463



Propionic acid 99% <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Density at 20°C 0.991 - 0.994g/ml	Refractive index 1.386 - 1.388	PRAC-00T-500	500 ml	

## Pumice stone

labkem

CAS: 1332-09-8 TARIC code: 25131000

Pumice stone, grains 2-4 mm <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Grains 2 - 4mm		PUMI-00P-250	250 g	

## Pyridine

labkem

CAS: 110-86-1 MW: 79,1 EC: 203-809-9 TARIC code: 29333100

C<sub>5</sub>H<sub>5</sub>N

ADR: 3 II F1 UN 1282 IMDG: 3 II UN 1282 IATA: 3 II UN 1282

Pyridine <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% Non-Vol. Mat. < 0.002 H <sub>2</sub> O < 0.1% NH <sub>3</sub> < 0.001% Al < 0.00005% B < 0.000002% Ba < 0.00001% Ca < 0.00005% Cd < 0.000005%	Co < 0.000002% Cr < 0.000002% Cu < 0.000002% Fe < 0.00001% Mg < 0.00001% Mn < 0.000002% Ni < 0.000002% Pb < 0.00001% Sn < 0.00001%	Zn < 0.00001% Cl < 0.0005% SO <sub>4</sub> < 0.005% Subst. red. KMnO <sub>4</sub> < 0.0005% Piperidine < 0.01% 2-Picoline < 0.2% Solub. (1 mg/mL H <sub>2</sub> O) < Passes test Res. on evap. < 0.002%	PYRI-00A-1K0 1 L	

## Salicylic acid

labkem

CAS: 69-72-7 MW: 138,12 EC: 200-712-3 TARIC code: 29182100

HO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>COOH

Salicylic acid <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price
App. White crystals Assay > 98.0%	Melt. range 158 - 161°C Ash (SO <sub>4</sub> ) < 0.02%	SAAC-00P-500	500 g	
Salicylic acid <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% Melt. range 159 - 161°C Solub. in EtOH Passes test Cl < 0.005%	Subs. carbon. by H <sub>2</sub> SO <sub>4</sub> Passes test Ash (SO <sub>4</sub> ) < 0.02% Fe < 0.0005% SO <sub>4</sub> < 0.005%	Heavy metals (Pb) < 0.0005% Pb < 0.0002%	SAAC-00A-500 500 g	

## Sand, cleaned and dried

labkem

CAS: 14808-60-7 MW: 60,1 EC: 238-878-4 TARIC code: 25051000

SiO<sub>2</sub>

Sand, cleaned and dried, fine, 0.1-0.6 mm <b>AUX</b>	<b>BASICHEM</b>	reference	packaging	price
Round particles Assay (SiO <sub>2</sub> ) > 98.5% Density 2.5g/ml Part. Size 0.1 - 0.6mm	Loss on ign. < 0.35% pH (20% suspension) 6.77 Al <sub>2</sub> O <sub>3</sub> < 0.6% Fe <sub>2</sub> O <sub>3</sub> < 0.15%	CaO < 0.1% MgO < 0.35% Na <sub>2</sub> O < 0.28% K <sub>2</sub> O < 0.25%	TiO <sub>2</sub> < 0.07% Heavy met. Exempt	SAND-001-1K0 1 kg SAND-001-5K0 5 kg
Sand, cleaned and dried, coarse, 1-2 mm <b>AUX</b>	<b>BASICHEM</b>	reference	packaging	price
Round particles Assay (SiO <sub>2</sub> ) > 98.5% Density 2.49g/ml Part. Size 1 - 2mm	Loss on ign. < 0.35% pH (20% suspension) 6.87 Al <sub>2</sub> O <sub>3</sub> < 0.6% Fe <sub>2</sub> O <sub>3</sub> < 0.15%	CaO < 0.1% MgO < 0.35% Na <sub>2</sub> O < 0.28% K <sub>2</sub> O < 0.25%	TiO <sub>2</sub> < 0.07% Heavy met. Exempt	SAND-002-1K0 1 kg SAND-002-5K0 5 kg

Silica gel for dissector *see in p. 59*Silica gel for chromatography *see in p. 140*Silicone grease *see in p. 90*Silicone oil *see in p. 181*Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)**Disclaimer:** Labkem chemical products are exclusively for use in laboratory and by instructed and experienced technicians. These chemical products may be dangerous, so please follow instructions mentioned on the Material safety data sheets.

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## Silver nitrate

labkem

CAS: 7761-88-8 MW: 169.87 EC: 231-853-9 TARIC code: 28432100

ADR: 5.1 O2 II UN 1493 IMDG: 5.1 II UN 1493 IATA: 5.1 II UN 1493

AgNO<sub>3</sub>

Silver nitrate <b>AGR</b> ACS	BASICEM	reference	packaging	price
Assay > 99.9% Clarity of sol. Passes test Insol. matter < 0.003% Silver (Ag) > 63.4% Cl <sup>-</sup> < 0.0001%	Subst not pptd by HCl < 0.01% pH 3.8 - 6 H <sub>2</sub> O < 0.05% Fe <sup>2+</sup> < 0.0001% Ca < 0.0005%	Cu < 0.0001% NO <sub>2</sub> < 0.0002% Pb < 0.0002%	SINA-00A-025 G 25 g	
			SINA-00A-100 G 100 g	

## Silver nitrate volumetric solution

labkem

CAS: 7761-88-8 MW: 169.87 TARIC code: 28432100

ADR: 8 III UN 1760 IMDG: 8 III UN 1760 IATA: 8 III UN 1760

AgNO<sub>3</sub>

Silver nitrate, volumetric solution 0.1 M (0.1 N) <b>VSA</b>	BASICEM	reference	packaging	price
Composition 16.987g AgNO <sub>3</sub> /L Concentration (20°C) (M) 0.0998 - 0.1002M Concentration (20°C) (N) 0.0998 - 0.1002N	Tolerance (M) 0.0002M Tolerance (N) 0.0002N	SINA-01V-1K0	P 1 L	

## Silver sulfate

labkem

CAS: 10294-26-5 MW: 311.8 EC: 233-653-7 TARIC code: 28432900

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077

Ag<sub>2</sub>SO<sub>4</sub>

Silver sulfate <b>AGR</b>	BASICEM	reference	packaging	price
Assay > 99.5% NO <sub>3</sub> < 0.001%	Ni < 0.001% Cl <sup>-</sup> < 0.001% Fe < 0.001% Cu < 0.0005%	Pb < 0.001% Zn < 0.0005%	SISU-00A-025 P 25 g	

## Sodium acetate anhydrous

labkem

CAS: 127-09-3 MW: 82.03 EC: 204-823-8 TARIC code: 29152900

CH<sub>3</sub>COONa

Sodium acetate anhydrous <b>EPR</b>	BASICEM	reference	packaging	price
Assay 99 - 101% App. white/hygrosc. powd. Insol. matter < 0.05% pH (1%) 8 - 9.5 Cl <sup>-</sup> < 0.03%	Loss on dry. < 0.5% Formic acid < 0.1% Acetic acid < 0.5% SO <sub>4</sub> < 0.005% Ca + Mg < 0.005%	Fe < 0.0003% K < 0.05% As < 0.0002% Pb < 0.0002% Hg < 0.00001%	Cd < 0.0001% Heavy met. < 0.001%	SOAC-A0P-500 P 500 g
			SOAC-A0P-1K0 P 1 kg	

Sodium acetate anhydrous <b>AGR</b>	BASICEM	reference	packaging	price
Assay > 99% pH (5%) 7 - 9.2 Insol. matter < 0.01% Cl <sup>-</sup> < 0.002%	PO <sub>4</sub> < 0.0005% Fe < 0.0005% Al < 0.001% Ca < 0.001%	SO <sub>4</sub> < 0.002% Cu < 0.0005% Mg < 0.0005% K < 0.03%	Pb < 0.0005%	SOAC-A0A-500 P 500 g

## Sodium acetate trihydrate

labkem

CAS: 6131-90-4 MW: 136.08 EC: 204-823-8 TARIC code: 29152900

CH<sub>3</sub>COONa·3H<sub>2</sub>O

Sodium acetate trihydrate <b>EPR</b>	BASICEM	reference	packaging	price
Assay > 98% App. colourless crystals Insol. matter < 0.02% pH (5%, 20°C) 7.5 - 9.5	Cl <sup>-</sup> < 0.005% Fe < 0.001% Al < 0.001% SO <sub>4</sub> < 0.01%	Ca < 0.005% Cu < 0.005% Mg < 0.002% Pb < 0.005%	Zn < 0.005%	SOAC-03P-500 P 500 g
			SOAC-03P-1K0 P 1 kg	

Sodium acetate trihydrate <b>AGR</b>	BASICEM	reference	packaging	price
Assay > 99% pH (5%, 20°C) 7.5 - 9.2 Insol. matter < 0.005%	Subst. red. KMnO <sub>4</sub> < 0.005% Cl <sup>-</sup> < 0.001% PO <sub>4</sub> < 0.0005%	Fe < 0.0005% SO <sub>4</sub> < 0.002% Ca < 0.001%	Mg < 0.0005% K < 0.005% Pb < 0.0005%	SOAC-03A-500 P 500 g

## Sodium carbonate anhydrous

labkem

CAS: 497-19-8 MW: 105,99 EC: 207-838-8 TARIC code: 28362000

Na<sub>2</sub>CO<sub>3</sub>

Sodium carbonate anhydrous <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99% Density approx. 0.48 - 0.61g/ml Loss on dry. < 0.5%	Cl <sup>-</sup> < 0.3% Fe < 0.003% As < 0.0002%	Pb < 0.0002% SO <sub>4</sub> < 0.04% Hg < 0.0001%	SOCA-00P-500	500 g	
			SOCA-00P-1K0	1 kg	
			SOCA-00P-5K0	5 kg	
Sodium carbonate anhydrous <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay 99.5 - 100.5% Loss on dry. (300 °C) < 1% H <sub>2</sub> O < 0.5% Cl <sup>-</sup> < 0.0125%	EP and USP Conforms FCC (FDA) Conforms Fe < 0.001% SO <sub>4</sub> < 0.003%	Heavy metals (Pb) < 0.001% As < 0.0003% Pb < 0.0002% Hg < 0.0001%	SOCA-A0A-500	500 g	

## Sodium chloride

labkem

CAS: 7647-14-5 MW: 58,44 EC: 231-598-3 TARIC code: 25010099

NaCl

Sodium chloride <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.8% Res. on roast. < 1.5% Insol. matter < 0.01% Total N < 0.002% I <sup>-</sup> < 0.012% Ba < 0.01% Fe < 0.001%	Heavy metals (Pb) < 0.001% SO <sub>4</sub> < 0.01% Ca < 0.008% Mg < 0.005% K < 0.05% As < 0.0001%	SOCH-00T-500		500 g	
		SOCH-00T-1K0		1 Kg	
Sodium chloride <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless crystals / white powder Assay > 99.9% Insol. matter < 0.005% pH (5%, 20°C) 5.0 - 8.0 Loss on roast. < 1.0% N < 0.001% Halid. (Br, I, F) < 0.1% SO <sub>4</sub> < 0.003%	Heavy met. < 0.0005% As < 0.00005% Ba < 0.003% Ca < 0.004% Fe < 0.0005% K < 0.03% Mg < 0.002% Abs. of Cu/Ni Passes test	SOCH-00A-500		500 g	
		SOCH-00A-1K0		1 kg	
		SOCH-00A-5K0		5 kg	
Sodium chloride for salt spray chamber ASTM B117-16 / ISO-9227 <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.6% Halid. (Br, I, F) < 0.1% Cu < 0.00003% Ni < 0.001% Cu, Ni, Pb < 0.005%	Total Imp. < 0.2% According to ASTM B117-16 The salt does not contain anti-caking agents According to ISO 9227 2017	SOCH-0SA-5K0		5 kg	
		SOCH-0SA-25K		25 kg	

## tri-Sodium citrate dihydrate

labkem

CAS: 6132-04-3 MW: 294,1 EC: 200-675-3 TARIC code: 29181500

C<sub>6</sub>H<sub>5</sub>Na<sub>3</sub>O<sub>7</sub>·2H<sub>2</sub>O

tri-Sodium citrate dihydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99% pH (5%, 20°C) 7 - 9 Insol. matter < 0.005%	Cl <sup>-</sup> < 0.001% Ammo. salts (NH <sub>4</sub> ) < 0.001% PO <sub>4</sub> < 0.002%	Fe < 0.0005% SO <sub>4</sub> < 0.005% Pb < 0.0005%	SOCI-02A-500	500 g	

## Sodium dihydrogen phosphate anhydrous

labkem

CAS: 7558-80-7 MW: 119,98 EC: 231-449-2 TARIC code: 28352200

NaH<sub>2</sub>PO<sub>4</sub>

Sodium dihydrogen phosphate anhydrous <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99% App. White powder Insol. matter < 0.005%	pH (5%, 20°C) 4 - 4.5 Cl <sup>-</sup> < 0.003% Fe < 0.003%	Heavy metals (Pb) < 0.002% Ca < 0.005% SO <sub>4</sub> < 0.005%	Cu < 0.005% K < 0.03% Zn < 0.005%	SODH-00A-500	500 g






## Sodium dihydrogen phosphate dihydrate

labkem

CAS: 13472-35-0 MW: 156,01 TARIC code: 28352200

 $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$ 


Sodium dihydrogen phosphate dihydrate <b>AGR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay > 99%	Cl <sup>-</sup> < 0.001%	SO <sub>4</sub> < 0.005%	As < 0.0002%	SODH-02A-500	 500 g
App. colourless/white powder.	Loss on dry. 22.8 - 24%	Heavy metals (Pb) < 0.001%			
Insol. matter < 0.005%	Total N < 0.002%	Ca < 0.005%			
pH (5%, 20°C) 4.1 - 4.5	Fe < 0.002%	Mg < 0.001%			

## Sodium dihydrogen phosphate monohydrate

labkem

CAS: 10049-21-5 MW: 137,99 EC: 231-449-2 TARIC code: 28352200

 $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$ 

Sodium dihydrogen phosphate monohydrate <b>AGR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay > 99%	Total N < 0.002%	Heavy metals (Pb) < 0.001%	Mg < 0.001%	SODH-01A-500	 500 g
App. colourless/white powder.	Loss on dry. 22.8 - 24%	SO <sub>4</sub> < 0.005%	As < 0.0001%		
Insol. matter < 0.005%	Cl <sup>-</sup> < 0.001%	Ca < 0.005%			
pH (5%, 20°C) 4.5	Fe < 0.002%				

## Sodium hexametaphosphate

labkem

CAS: 10124-56-8 MW: 611,77 EC: 233-343-1 TARIC code: 28353900

 $\text{Na}_6(\text{PO}_3)_6$ 



Sodium hexametaphosphate <b>GLR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay (as NaPO <sub>3</sub> ) > 60%		H <sub>2</sub> O < 0.5%		SOHM-00P-500	 500 g
PO <sub>4</sub> (P <sub>2</sub> O <sub>5</sub> ) > 69%		pH (1%, 20°C) 4 - 7.5			

## Sodium hydrogen carbonate


labkem

CAS: 144-55-8 MW: 84,01 EC: 205-633-8 TARIC code: 28363000

 $\text{NaHCO}_3$ 

Sodium hydrogen carbonate <b>EPR</b>		<b>BASICHEM</b>	reference	packaging	price
App. White powder	SO <sub>4</sub> < 0.01%	Ca < 0.01%		SOHC-00P-500	 500 g
Assay 99 - 101%	NH <sub>4</sub> <sup>+</sup> < 0.002%	Fe < 0.002%			
Insol. matter < 0.02%	Heavy metals (Pb) < 0.001%	K < 0.04%		SOHC-00P-1K0	 1 kg
pH (5%, 20°C) 8 - 8.6	As < 0.0002%				
Cl <sup>-</sup> < 0.01%	Al < 0.0002%				


Sodium hydrogen carbonate <b>AGR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay 99 - 101%	PO <sub>4</sub> < 0.002%	Heavy metals (Pb) < 0.0005%		SOHC-00A-500	 500 g
Subst. Red. I <sub>2</sub> < 0.005%	NH <sub>4</sub> <sup>+</sup> < 0.001%	Ca < 0.005%			
Insol. matter < 0.01%	Fe < 0.001%	Mg < 0.005%			
Cl <sup>-</sup> < 0.01%	SO <sub>4</sub> < 0.005%	K < 0.005%			

## di-Sodium hydrogen phosphate dihydrate


labkem

CAS: 10028-24-7 MW: 177,99 EC: 231-448-7 TARIC code: 28352200

 $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$ 

di-Sodium hydrogen phosphate dihydrate <b>EPR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay > 98%	Loss on dry. 19.5 - 21%	Heavy metals (Pb) < 0.002%	K < 0.01%	SOPH-02P-1K0	 1 kg
Insol. matter < 0.01%	Cl <sup>-</sup> < 0.002%	Cu < 0.002%	Zn < 0.002%		
pH (5%, 20°C) 8.7 - 9.3	Fe < 0.002%	SO <sub>4</sub> < 0.02%			



di-Sodium hydrogen phosphate dihydrate <b>AGR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay 99 - 101%	Loss on dry. 19.5 - 21%	Heavy metals (Pb) < 0.001%	K < 0.005%	SOPH-02A-500	 500 g
Insol. matter < 0.005%	Cl <sup>-</sup> < 0.001%	Cu < 0.001%	Zn < 0.001%		
pH (5%, 20°C) 8.9 - 9.2	Fe < 0.001%	SO <sub>4</sub> < 0.005%			

## di-Sodium hydrogen phosphate dodecahydrate

labkem

CAS: 10039-32-4 MW: 358,14 EC: 231-448-7 TARIC code: 28352200

 $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$ 

di-Sodium hydrogen phosphate dodecahydrate <b>EPR</b>		<b>BASICHEM</b>	reference	packaging	price
Assay 98 - 102%	Total N < 0.002%	Heavy metals (Pb) < 0.002%		SOPH-12P-500	 500 g
App. White crystals/powder	pH (5%, 20°C) 9 - 9.5	As < 0.0005%			
Insol. matter < 0.01%	Fe < 0.002%			SOPH-12P-1K0	 1 kg
Cl <sup>-</sup> < 0.005%	SO <sub>4</sub> < 0.02%				

## Sodium hydroxide

labkem

CAS: 1310-73-2 MW: 40 EC: 215-185-5 TARIC code: 28151100

NaOH

ADR: 8 C6 II UN 1823 IMDG: 8 II UN 1823 IATA: 8 II UN 1823



Sodium hydroxide pearls 1-2 mm <b>EPR</b>				<b>BASICHEM</b>	reference	packaging	price
Assay > 98.0%	Cl <sup>-</sup> < 0.015%	SO <sub>4</sub> < 0.005%	Nueva línea < 0.005%		SOHY-P0T-500		500 g
Na <sub>2</sub> CO <sub>3</sub> < 1.0%	PO <sub>4</sub> < 0.002%	Heavy met. < 0.002%	Fe < 0.0015%		SOHY-P0T-1K0		1 Kg
Total N < 0.0007%	SiO <sub>2</sub> < 0.008%	Al < 0.002%					

Sodium hydroxide pearls 1-2 mm <b>AGR</b>				<b>BASICHEM</b>	reference	packaging	price
Assay > 98%	SO <sub>4</sub> < 0.003%	Cd < 0.0005%	Ni < 0.0005%		SOHY-P0A-500		500 g
Na <sub>2</sub> CO <sub>3</sub> < 0.7%	Heavy metals (Pb) < 0.001%	Co < 0.0005%	Pb < 0.0005%		SOHY-P0A-1K0		1 Kg
Total N < 0.0005%	Ag < 0.0005%	Cu < 0.0005%	Sr < 0.0005%		SOHY-P0A-5K0		5 Kg
Cl <sup>-</sup> < 0.005%	Al < 0.001%	Fe < 0.0005%	Zn < 0.0005%				
PO <sub>4</sub> < 0.001%	Ba < 0.0005%	Mg < 0.0005%					
SiO <sub>2</sub> < 0.005%	Ca < 0.001%	Mn < 0.0005%					

Sodium hydroxide <b>AGR</b> micropearls low in metals				<b>BASICHEM</b>	reference	packaging	price
Assay > 99.0%	Hg < 0.00005%	Na <sub>2</sub> CO <sub>3</sub> < 0.4%			SOHY-M0P-500		500 g
As < 0.0001%	Ni < 0.001%	Cr < 0.0002%			SOHY-M0P-1K0		1 kg
Ca < 0.001%	Pb < 0.00005%	Si < 0.002%			SOHY-M0P-5K0		5 kg
Fe < 0.001%	NaCl < 0.02%	Na <sub>2</sub> SO <sub>4</sub> < 0.012%					

## Sodium hydroxide solution

labkem

CAS: 1310-73-2 MW: 40 EC: 215-185-5 TARIC code: 28151200

NaOH

ADR: 8 C5 II UN 1824 IMDG: 8 II UN 1824 IATA: 8 II UN 1824



Sodium hydroxide 32% w/w <b>AGR</b>				<b>BASICHEM</b>	reference	packaging	price
Assay (W/V) > 32%	Na <sub>2</sub> CO <sub>3</sub> < 0.5%	SO <sub>4</sub> < 0.005%			SOHY-32A-5K0		5 L
Composition 432g Na	S < 0.0001%	Cr < 0.0005%					
N < 0.0001%	CN < 0.0001%	Heavy metals (Pb) < 0.0002%					
Cl <sup>-</sup> < 0.001%	SiO <sub>2</sub> < 0.01%	Al < 0.0005%					

Sodium hydroxide 40% w/w <b>AGR</b>				<b>BASICHEM</b>	reference	packaging	price
App. Colourless liquid	Approx. - 1.43g/cm	Na <sub>2</sub> CO <sub>3</sub> < 0.1%			SOHY-40A-5K0		5 L
Assay 39 - 41%	Cl <sup>-</sup> < 0.005%	Fe < 0.0005%			SOHY-40A-10K		10 L
Density (20 °C/4 °C)	SO <sub>4</sub> < 0.01%	Pb < 0.001%					

## Sodium hydroxide, volumetric solutions

labkem

CAS: 1310-73-2 MW: 40 TARIC code 28151200

NaOH

ADR: 8 C5 III UN 1824 IMDG: 8 III UN 1824 IATA: 8 III UN 1824



Sodium hydroxide, volumetric solution 0.1 M (0.1 N) <b>VSA</b>				<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.0999 - 0.1001M	Tolerance (M) 0.0001M				SOHY-01V-1K0		1 L
Concentration (N) 0.0999 - 0.1001N	Tolerance (N) 0.0001N						

Sodium hydroxide, volumetric solution 0.5 M (0.5 N) <b>VSA</b>				<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.4995 - 0.5005M	Tolerance (M) 0.0005M				SOHY-05V-1K0		1 L
Concentration (N) 0.4995 - 0.5005N	Tolerance (N) 0.0005N						




Sodium hydroxide, volumetric solution 1.0 M (1.0 N) <b>VSA</b>				<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.999 - 1.001M	Tolerance (M) 0.001M				SOHY-1V0-1K0		1 L
Concentration (N) 0.999 - 1.001N	Tolerance (N) 0.001N						





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GRADES and FAMILIES information on p. 286

Sodium hydroxide, volumetric solution 2.0 M (2.0 N) <b>VSA</b>	 <b>BASICEM</b>	reference	packaging	price
Concentration (M) 1.996 - 2.004M Concentration (N) 1.996 - 2.004N	Tolerance (M) 0.004M Tolerance (N) 0.004N	SOHY-2V0-1K0	 1 L	
		SOHY-2V0-5K0	 5 L	

Sodium hydroxide, volumetric solution 5.0 M (5.0 N) <b>VSA</b>	 <b>BASICEM</b>	reference	packaging	price
Concentration (M) 4.995 - 5.005M Concentration (N) 4.995 - 5.005N	Tolerance (M) 0.005M Tolerance (N) 0.005N	SOHY-5V0-1K0	 1 L	

Sodium hydroxide, concentrated to prepare 1 L of solution 0.1 M (0.1 N) <b>VSA</b>	 <b>BASICEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M	Conc. after dil. to 1L (20°C) (N) 0.0998 - 0.1002N	SOHY-01C-1K0	 1 amp.	

Sodium hydroxide, concentrated to prepare 1 L of solution 1 M (1 N) <b>VSA</b>	 <b>BASICEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.998 - 1.002M	Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N	SOHY-1C0-1K0	 1 amp.	

## Sodium hypochlorite solutions



labkem



CAS: 7681-52-9 MW: 74,44 EC: 231-668-3 TARIC code: 28289000

**NaClO**

ADR: 8 C9 II UN 1791 IMDG: 8 II UN 1791 IATA: 8 II UN 1791



Sodium hypochlorite 5% <b>GLR</b>	 <b>BASICEM</b>	reference	packaging	price
App. Liq. Colourless/yellow Assay 4.0 - 7.0% Density at 20°C 1.033g/ml	Na <sub>2</sub> CO <sub>3</sub> and NaOH < 10g/l Ca < 0.001% Free chlorine 50.0 - 60.0g/l	Use within 3 months of opening	HYPO-05P-1K0	 1 L


Sodium hypochlorite 10% <b>GLR</b>	 <b>BASICEM</b>	reference	packaging	price
Assay 9 - 11% Density at 20°C 1.15g/ml Na <sub>2</sub> CO <sub>3</sub> and NaOH < 20g/l	Fe < 0.05% Free chlorine 100 - 120g/l App. Liq. Colourless/yellow	Use within 3 months of opening	HYPO-10P-1K0	 1 L

## Sodium iodide

labkem

CAS: 7681-82-5 MW: 149,89 EC: 231-679-3 TARIC code: 28151100

**NaI**


Sodium iodide <b>AGR ACS</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 99.5% App. white crystalline powder. pH (5%) 6 - 9 Cl <sup>-</sup> and Br (Cl) < 0.01%	IO <sub>3</sub> <sup>-</sup> < 0.0003% PO <sub>4</sub> <sup>3-</sup> < 0.001% Loss on dry. (105 °C) < 0.5% SO <sub>4</sub> <sup>2-</sup> < 0.005%	Fe < 0.0005% Heavy metals (Pb) < 0.0005% Ca < 0.002% K < 0.01%	SOIO-00A-100	 100 g

## Sodium metabisulfite

labkem

CAS: 7681-57-4 MW: 190,11 EC: 231-673-0 TARIC code: 28321000

**Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>**


Sodium metabisulfite <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price
Assay > 98% App. white/crystalline powder Insol. matter < 0.005%	Cl <sup>-</sup> < 0.005% Fe < 0.0005% Heavy metals (Pb) < 0.002%	As < 0.00005%	SOMB-00A-1K0	 1 kg

## Sodium molybdate dihydrate

labkem

CAS: 10102-40-6 MW: 241,95 EC: 231-551-7 TARIC code: 28417000

**Na<sub>2</sub>MoO<sub>4</sub>·2H<sub>2</sub>O**

Sodium molybdate dihydrate <b>AGR ACS</b>	<b>BASICEM</b>	reference	packaging	price	
Assay 99 - 102% Insol. matter < 0.005% Reaction (pH) 7 - 10.5	Cl <sup>-</sup> < 0.001% NO <sub>3</sub> <sup>-</sup> < 0.005% PO <sub>4</sub> <sup>3-</sup> < 0.001%	NH <sub>4</sub> <sup>+</sup> < 0.01% SO <sub>4</sub> <sup>2-</sup> < 0.02% Fe < 0.001%	Cu < 0.002% Pb < 0.001%	SOMO-02A-100	 100 g

## Sodium nitrate

labkem

CAS: 7631-99-4 MW: 84,99 EC: 231-554-3 TARIC code: 31025000

NaNO<sub>3</sub>

ADR: 5.1 O2 III UN 1498 IMDG: 5.1 III UN 1498 IATA: 5.1 III UN 1498

Sodium nitrate <b>EPR</b> 99%	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% Insol. matter < 0.01% H <sub>2</sub> O < 1.0% NO <sub>2</sub> < 0.0005%	Cl <sup>-</sup> < 0.005% ClO <sub>3</sub> <sup>-</sup> and ClO <sub>4</sub> <sup>-</sup> (Cl) < 0.006% PO <sub>4</sub> <sup>-</sup> < 0.001%	SO <sub>4</sub> <sup>-</sup> < 0.02% Heavy metals (Pb) < 0.001% Ca < 0.002% Fe < 0.0003%	Mg < 0.0003%	SONA-00T-500	500 g

Sodium nitrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% App. white powder Insol. matter < 0.005% pH (5%, 20°C) 5 - 7.5 Cl <sup>-</sup> < 0.0005% H <sub>2</sub> O < 1%	PO <sub>4</sub> <sup>-</sup> < 0.0002% ClO <sub>3</sub> <sup>-</sup> and ClO <sub>4</sub> <sup>-</sup> (Cl) < 0.003% SO <sub>4</sub> <sup>-</sup> < 0.003% IO <sub>3</sub> <sup>-</sup> < 0.0005% Fe < 0.0002% Heavy metals (Pb) < 0.0005%	NH <sub>4</sub> salts < 0.002% Ca < 0.002% Mg < 0.001% K < 0.005% NO <sub>2</sub> < 0.0002%		SONA-00A-500	500 g

## Sodium nitrite

labkem

CAS: 7632-00-0 MW: 69 EC: 231-555-9 TARIC code: 28341000

NaNO<sub>2</sub>

ADR: 5.1(6.1) OT2 III UN 1500 IMDG: 5.1(6.1) III UN 1500 IATA: 5.1(6.1) III UN 1500

Sodium nitrite <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 98% Insol. matter < 0.005% pH (50g/l; 20°C) aprox. 9	Cl <sup>-</sup> < 0.01% Fe < 0.001% Heavy metals (Pb) < 0.0005%	K < 0.005% SO <sub>4</sub> <sup>-</sup> < 0.015%		SONI-00A-500	500 g

## Sodium oxalate

labkem

CAS: 62-76-0 MW: 134 EC: 200-550-3 TARIC code: 29171100

Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub>

Sodium oxalate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.8% pH (3%) 7.5 - 8.5 Total N < 0.001%	Cl <sup>-</sup> < 0.002% Loss on dry. (105 °C) < 1% Fe < 0.0005%	Heavy metals (Pb) < 0.001% SO <sub>4</sub> <sup>-</sup> < 0.02% K < 0.005%		SOOX-00A-500	500 g

## Sodium sulfate anhydrous

labkem

CAS: 7757-82-6 MW: 142,04 EC: 231-820-9 TARIC code: 28331100

Na<sub>2</sub>SO<sub>4</sub>

Sodium sulfate anhydrous <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. White powder Assay > 99% Insol. matter < 0.02% pH (5%, 20°C) 5.2 - 7.5	Loss on roast. < 1% Cl <sup>-</sup> < 0.005% Heavy metals (Pb) < 0.0005% As < 0.0002%	Ca < 0.01% Fe < 0.001% K < 0.01% Mg < 0.002%		SOSU-00T-500	500 g
				SOSU-00T-1K0	1 kg
Sodium sulfate anhydrous <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99% Insol. matter < 0.01% pH (5%, 20°C) 5.2 - 7.5 Res. on roast. < 0.5% Cl <sup>-</sup> < 0.002%	Total N < 0.0005% PO <sub>4</sub> <sup>-</sup> < 0.005% Fe < 0.0005% Heavy metals (Pb) < 0.0005% Ca < 0.005%	Mg < 0.001% K < 0.005% As < 0.0001%		SOSU-AGA-500	500 g
				SOSU-AGA-1K0	1 kg
				SOSU-AGA-5K0	5 kg




## Sodium sulfite anhydrous

labkem

CAS: 7757-83-7 MW: 126,04 EC: 231-821-4 TARIC code: 28321000




Sodium sulfite anhydrous <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Appearance Assay > 98% insol. in water < 0.01% Cl <sup>-</sup> < 0.01%	Thiosulphate < 0.04% Carbonates (Na <sub>2</sub> CO <sub>3</sub> ) < 0.15% As < 0.00004% Ca < 0.005%	Cu < 0.0005% Fe < 0.001% Pb < 0.0005% Zn < 0.001%	SOSL-00A-500 	500 g	

## di-Sodium tetraborate decahydrate

labkem

CAS: 1303-96-4 MW: 381,37 EC: 215-540-4 TARIC code: 28401990





di-Sodium tetraborate decahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay 99.5 - 100.5% App. Colourless crystals/ white powder Insol. in H <sub>2</sub> O < 0.005% pH (25°C): 9.15 - 9.20	Cl <sup>-</sup> < 0.001% PO <sub>4</sub> < 0.001% Fe < 0.0005% Heavy metals (Pb) < 0.001%	SO <sub>4</sub> < 0.005% Ca < 0.005%	BORX-00A-500 	500 g	



## Sodium thiosulfate pentahydrate

labkem

CAS: 10102-17-7 MW: 158,11 EC: 231-867-5 TARIC code: 28323000



Sodium thiosulfate pentahydrate <b>EPR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless crystals Assay 99 - 101% Insol. matter < 0.01%	pH (5%, 20°C) 6 - 7.5 SO <sub>4</sub> < 0.1% S < 0.0005%	Heavy metals (Pb) < 0.001% Ca < 0.005% Fe < 0.001%	K < 0.01% Mg < 0.005%	SOTH-05T-500 	500 g
			SOTH-05T-1K0 	1 kg	


Sodium thiosulfate pentahydrate <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless cryst. Assay 99.5 - 100.5% Insol. matter < 0.005% Reaction (pH) 6.0 - 7.5	N Comp. (N) < 0.002% Cl <sup>-</sup> < 0.01% SO <sub>4</sub> < 0.05% S < 0.0001%	Pb < 0.0005% Ca < 0.002% Fe < 0.0005% K < 0.005%	Mg < 0.001%	SOTH-05A-500 	500 g
			SOTH-05A-1K0 	1 kg	

## Sodium thiosulfate, volumetric solutions

labkem

CAS: 10102-17-7 MW: 248.18 TARIC code: 28323000



Sodium thiosulfate, volumetric solution 0.1 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price	
Concentration (M) 0.0999 - 0.1001M Concentration (N) 0.0999 - 0.1001N	Tolerance (M) 0.0001M Tolerance (N) 0.0001N		SOTH-01V-1K0 	1 L	


Sodium thiosulfate, concentrated to prepare 1 L of solution 0.1 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price	
Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M	Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M	SOTH-01C-1K0		1 amp.	

## Sodium trisilicate solution

labkem

CAS: 1344-09-8 EC: 215-687-4 TARIC code: 28391900



Sodium trisilicate solution <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price	
App. Colourless-grey liquid M. module SiO <sub>2</sub> /Na <sub>2</sub> O 2.4 - 2.6 SiO <sub>2</sub> and Na <sub>2</sub> O > 39%	Density at 20°C 1.45 - 1.48g/ml Fe <sub>2</sub> O <sub>3</sub> < 0.01% CaO < 0.1%	Viscosity (20°C) > 100cP Insol. in water, filt. glass < 0.02% Insol. in water, sediment. glass < 0.1%	SOTS-00P-1K0 	1 L	



Solvents for chromatography see p. 141

## Starch

labkem

CAS: 9005-84-9 MW: (162.1)n EC: 232-686-4 TARIC code: 35051090

 $(C_6H_{10}O_5)_n$ 

Starch <b>AGR</b>	 <b>BASICEM</b>	reference	packaging	price	
App. White powder Solub. in H <sub>2</sub> O Passes test Sensitivity Passes test	Loss on dry. < 12% pH (6%; 20°C) 5.5 - 6.5 Reducing subst. Passes test	Ash (SO <sub>4</sub> ) < 0.4%	STAR-00A-500	 500 g	




Starch, indicator see p. 237

## D(+)-Sucrose

labkem

CAS: 57-50-1 MW: 342,29 EC: 200-334-9 TARIC code: 17019910

 $C_{12}H_{22}O_{11}$ 

D(+)-Sucrose <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
App. Colourless crystals or white powder Assay > 99.8% Insol. matter < 0.003% Spec. Rot. (20°C; 10% H <sub>2</sub> O) > 66.4° Acid. (Acetic acid) < 0.008% Cl < 0.001%		SO <sub>4</sub> < 0.002% Res. on ignition < 0.01% Heavy metals (Pb) < 0.0002%	SUCR-00A-500	 500 g	
		Ba < 0.002% Ca < 0.002% Fe < 0.0002%	SUCR-00A-1K0	 1 kg	
			SUCR-00A-5K0	 5 kg	

## Sulfamic acid



labkem

CAS: 5329-14-6 MW: 97,09 EC: 226-218-8 TARIC code: 28111980

 $H_3NO_3S$ 

ADR: 8 III UN 2967 IMDG: 8 III UN 2967 IATA: 8 III UN 2967



Sulfamic acid <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay 99.3 - 100.3% Insol. matter < 0.01% Res. on ignition < 0.01% Cl < 0.001%	Ni < 0.001% Fe < 0.0005% Heavy metals (Pb) < 0.001% Cu < 0.001%	SO <sub>4</sub> < 0.05% Pb < 0.001%	SLAC-00A-250	 250 g	
			SLAC-00A-500	 500 g	

## Sulfur powder

labkem

CAS: 7704-34-9 MW: 32,06 EC: 231-722-6 TARIC code: 28020000

S

ADR: 4.1 F3 III UN 1350 IMDG: 4.1 III UN 1350 IATA: 4.1 III UN 1350



Sulfur powder <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.9% App. Fine yellow powder	Acids (H <sub>2</sub> SO <sub>4</sub> ) < 0.005% Organic comp. < 0.015%	Ash < 0.02% Water < 0.1%	Solub. in NaOH Passes test As < 0.00001%	SUPW-00A-500	 500 g

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## Sulfuric acid

labkem

CAS: 7664-93-9 MW: 98,08 EC: 231-639-5 TARIC code: 28070000 Restriction: Drugs Precursors Cat. 3

ADR: 8 C1 II UN 1830 IMDG: 8 II UN 1830 IATA: 8 II UN 1830



Sulfuric acid 25% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 25% Density at 20°C 1.176 - 1.180g/ml Res. on ignition < 0.001%	NO <sub>3</sub> < 0.0005% Cl <sup>-</sup> < 0.0001% NH <sub>4</sub> <sup>+</sup> < 0.0003%	Heavy metals (Pb) < 0.0002% Fe < 0.0001%	SUAC-25A-1K0 	1 L	
Sulfuric acid 91% for Gerber method <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 91% Subst. red. KMnO <sub>4</sub> < 0.0003% Se < 0.0003% NO <sub>3</sub> < 0.0002%	Cl <sup>-</sup> < 0.0001% NH <sub>4</sub> <sup>+</sup> < 0.0003% Res. on ignition < 0.001% Fe < 0.0001%	Heavy metals (Pb) < 0.0002% As < 0.000005%	SUAC-90A-1K0 	1 L	
		SUAC-90A-5K0		5 L	
Sulfuric acid 95-98% <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 95% Subst. red. KMnO <sub>4</sub> < 0.001% NO <sub>3</sub> < 0.002% Cl <sup>-</sup> < 0.0005% NH <sub>4</sub> <sup>+</sup> < 0.001%	Res. on ignition < 0.005% Density at 20°C 1.832g/ml Fe < 0.0005% Heavy metals (Pb) < 0.0005% As < 0.00001%		SUAC-00T-1K0 	1 L	
			SUAC-00T-2K5 	2,5 L	
			SUAC-00T-5K0 	5 L	
Sulfuric acid 95-98% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 95% App. Clear/colourless liq. Subst. red. KMnO <sub>4</sub> < 0.0003% NO <sub>3</sub> < 0.0002% Cl <sup>-</sup> < 0.001%	Density at 20°C > 1.832g/ml Ni < 0.00005% Fe < 0.0001% Res. on ignition < 0.001% Heavy metals (Pb) < 0.0002%	Ca < 0.00005% Cu < 0.00005% Mg < 0.00005% As < 0.000005% Pb < 0.0002%	SUAC-95A-1K0 	1 L	
			SUAC-95A-2K5 	2,5 L	
Sulfuric acid 95-97% <b>AGR</b> , ISO	<b>BASICEM</b>	reference	packaging	price	
Assay 95 - 97% Res. on ignition < 0.0005% Cl <sup>-</sup> < 0.000005% NO <sub>3</sub> < 0.00002% NH <sub>4</sub> <sup>+</sup> < 0.0001%	Subst. red. KMnO <sub>4</sub> < 0.0002% As < 0.000003% Se < 0.0003% Cd < 0.00001% Cu < 0.00001%	Fe < 0.00002% Pb < 0.00001% Zn < 0.00001%	SUAC-6IA-1K0 	1 L	
			SUAC-6IA-2K5 	2,5 L	
			SUAC-6IA-P04 	4x2,5 L	
Sulfuric acid 98% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 98% Density at 20°C approx 1.836g/ml Res. on roast. < 0.001% Cl <sup>-</sup> < 0.0001% Subst. red. KMnO <sub>4</sub> < 0.0003% NH <sub>4</sub> <sup>+</sup> < 0.0003% NO <sub>3</sub> < 0.0002% Heavy metals (Pb) < 0.0002%	Al < 0.0001% As < 0.000005% Ba < 0.00005% Ca < 0.00005% Cd < 0.00005% Co < 0.00005% Cr < 0.00005% Cu < 0.00005%	Fe < 0.0001% Mg < 0.00005% Mn < 0.00005% Ni < 0.00005% Pb < 0.0002% Se < 0.0003% Sr < 0.00005% Zn < 0.00005%	SUAC-00A-1K0 	1 L	

## Sulfuric acid, volumetric solutions

labkem

CAS: 7664-93-9 MW: 98,08 EC: 231-639-5 TARIC code: 28070010 Restriction: Drugs Precursors Cat. 3



ADR: 8 C1 II UN 2796 IMDG: 8 II UN 2796 IATA: 8 II UN 2796



Sulfuric acid, volumetric solution 0.05 M (0.1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.04995 - 0.05005M Concentration (N) 0.0999 - 0.1001N	Tolerance (M) 0.0001M Tolerance (N) 0.0001N	SUAC-01V-1K0	1 L	
Sulfuric acid, volumetric solution 0.1 M (0.2 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.0999 - 0.1001M Concentration (N) 0.1998 - 0.2002N	Tolerance (M) 0.0001M Tolerance (N) 0.0002N	SUAC-02V-1K0	1 L	
Sulfuric acid, volumetric solution 0.5 M (1.0 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.4995 - 0.5005M Concentration (N) 0.999 - 1.001N	Tolerance (M) 0.0005M Tolerance (N) 0.001N	SUAC-1V0-1K0	1 L	
Sulfuric acid, volumetric solution 1.0 M (2.0 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Concentration (M) 0.999 - 1.001M Concentration (N) 1.998 - 2.002N	Tolerance (M) 0.001M Tolerance (N) 0.002N	SUAC-2V0-1K0	1 L	

## Sulfuric acid, concentrated volumetric solutions

labkem

CAS: 7664-93-9 MW: 98,08 EC: 231-639-5 TARIC code: 28070010 Restriction: Drugs Precursors Cat. 3



ADR: 8 C1 II UN 2796 IMDG: 8 II UN 2796 IATA: 8 II UN 2796



Sulfuric acid, concentrated to prepare 1 L of solution 0.5 M (1 N) <b>VSA</b>	<b>BASICHEM</b>	reference	packaging	price
Conc. after dil. to 1L (20°C) (M) 0.499 - 0.501M	Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N	SUAC-1C0-1K0	1 amp.	

## Supplements for culture media see p. 22

## L(+)-Tartaric acid

labkem

CAS: 87-64-4 MW: 150,08 EC: 201-766-0 TARIC code: 29181200



L(+)-Tartaric acid <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5% App. Colourless/clear crystals Insol. matter < 0.005% Cl $< 0.0005\%$ Spec. Rot. (20°C; 10% $H_2O$ ) 12 - 13° Loss on dry. (105 °C) < 0.5%	$PO_4 < 0.001\%$ $SO_4 < 0.002\%$ Ni < 0.0005% Ash ( $SO_4$ ) < 0.01% Fe < 0.0005% Heavy metals (Pb) < 0.0005%	Ca < 0.002% Cu < 0.0005% Oxalate < 0.03% Mg < 0.002% As < 0.00002% Pb < 0.0005%	TRAC-L0A-500 500 g	

## Tetrachloroethylene

labkem

CAS: 127-18-4 MW: 165,83 EC: 204-825-9 TARIC code: 29032300



ADR: 6.1 T1 III UN 1897 IMDG: 6.1 III UN 1897 IATA: 6.1 III UN 1897

Tetrachloroethylene 99.9% <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.9% App. Colourless/clear liquid Colour (Hazen) < 15 $H_2O < 0.003\%$	Alkalinity < 0.003% Density at 20°C 1.62 - 1.625g/ml Stabilizer (N-methylmorpholine) 0.0006 - 0.002% Res. on evap. < 0.003%	TTCE-G0P-1K0 TTCE-M0P-5K0 TTCE-M0P-25K	1 L 5 L 25 L	



## Tetrahydrofuran

labkem

CAS: 109-99-9 MW: 72,11 EC: 203-726-8 TARIC code: 29321100

ADR: 3 F1 II UN 2056 IMDG: 3 II UN 2056 IATA: 3 II UN 2056

C<sub>4</sub>H<sub>8</sub>O

Tetrahydrofuran 99.5% <b>GLR</b>			<b>BASICEM</b>	reference	packaging	price
App. Colourless clear liquid Colour (Hazen) < 10 H <sub>2</sub> O < 0.05%	Assay > 99.5% Density at 20°C 0.886 - 0.889g/ml			TETR-G0P-1K0	1 L	
				TETR-M0P-5K0	5 L	
				TETR-M0P-25K	25 L	

Tetrahydrofuran HPLC <b>GGR</b>			<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.02% Acidity < 0.0005meq/g	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 240 nm > 70% UV-Tr. (1cm;Wat.) 250 nm > 80%	UV-Tr. (1cm;Wat.) 260 nm > 90% UV-Tr. (1cm;Wat.) 270 nm > 98% UV-Tr. (1cm;Wat.) 280 nm > 99%		TETR-0GH-2K5	2,5 L	
				TETR-0GH-P04	4x2,5 L	

Thymol blue see p. 286

## Tin (II) chloride dihydrate

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CAS: 10025-69-1 MW: 225,63 EC: 231-868-0 TARIC code: 28273910

ADR: 8 II UN 3260 IMDG: 8 II UN 3260 IATA: 8 II UN 3260

SnCl<sub>2</sub>·2H<sub>2</sub>O

Tin (II) chloride dihydrate <b>AGR</b>			<b>BASICEM</b>	reference	packaging	price
Assay > 99% App. White powder Na+K+Ca < 0.002% Insoluble in HCl < 0.005%	Fe < 0.002% As < 0.00005% Heavy met. < 0.01% SO <sub>4</sub> < 0.0025%			TICH-02A-100	100 g	

## Tin, granulated

labkem

CAS: 7440-31-5 MW: 118,71 EC: 231-141-8 TARIC code: 80070090

Sn

Tin, granulated <b>AGR</b>			<b>BASICEM</b>	reference	packaging	price
Assay > 99% Sb < 0.02% Bi < 0.004% Fe < 0.005%	Cu < 0.001% Pb < 0.005% Zn < 0.002% As < 0.04%			TIMT-G0A-250	250 g	

## Labels according to CLP



From December 1, 2010 all manufacturers and importers of chemicals in the EU are obliged to label them according to criteria of the Directive 1272/2008, known as CLP. CLP Directive (Classification, Labelling and packaging of Substances and Mixtures) replaces the previously existing labelling systems and implements in Europe the bigger project called GHS (Global Harmonised System of Classification and Labelling of Chemicals), sponsored by the UN in order to unify the various regulations existing worldwide regarding labelling of chemicals.

All Labkem products are labelled according to CLP and include the pictograms and the new hazard (H) and caution (P) phrases defined by this directive.

## Material Safety Data Sheets (MSDS)

MSDS are intended to give all available information enabling the safe management of chemicals and eliminating or minimizing adverse effects to humans and the environment. In European Union (EU), MSDS are governed by REACH Directive 1907/2006 and should also incorporate the new classification criteria introduced by CLP Directive.

On our Website [www.labkem.com](http://www.labkem.com) you can download all Labkem product MSDS in 6 languages: English, Spanish, French, Portuguese, Dutch and Italian.



## Certificate of Analysis

For each Labkem product you can download free of charge a certificate of analysis for any batch on our website [www.labkem.com](http://www.labkem.com). To do this you need to enter the product reference and batch number printed on the label.

The certificate mentions the product name, quality, dates of manufacture and expiry, Labkem specifications will allowed impurities and test results with the values obtained for this batch.



## Toluene

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CAS: 108-88-3 MW: 92,14 EC: 203-625-9 TARIC code: 29023000 Restriction: Hydrocarbon



ADR: 3 F1 II UN 1294 IMDG: 3 II UN 1294 IATA: 3 II UN 1294

Toluene <b>GLR</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.8% App. Clear liquid Colour (Hazen) < 20 Non-arom. Hydrocarb. < 0.2% Benzene < 0.02%	Acidity < 0.001% S comp. (SH <sub>2</sub> , SO <sub>2</sub> ) Not det. Density at 15 °C 0.869 - 0.873g/ml Boiling range 110.5 - 110.7°C Acid Wash Test < 1	TOLN-G0P-1K0	1 L	
		TOLN-M0P-5K0	5 L	
		TOLN-M0P-25K	25 L	

Toluene <b>AGR</b> ACS, ISO, Ph. Eur.	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% Non-Vol. Mat. < 0.001% H <sub>2</sub> O < 0.02% Free Acid < 0.001% Free Alkalinity < 0.001% Al < 0.00005% B < 0.000001%	Ba < 0.00001% Ca < 0.00005% Cd < 0.00005% Co < 0.00002% Cr < 0.00002% Cu < 0.00002% Fe < 0.00001%	Mg < 0.00001% Mn < 0.00002% Ni < 0.00002% Pb < 0.00001% Sn < 0.00001% Zn < 0.00001% S < 0.003%	Thiophene < 0.0001% Density 0.865 - 0.869g/ml Res. on evap. < 0.001% R.C.S. Colour < 10Apha Subs. dark. by H <sub>2</sub> SO <sub>4</sub>	TOLN-00A-1K0 TOLN-00A-2K5 TOLN-00A-P04	1 L 2,5 L 4x2,5 L

Toluene HPLC <b>GGR</b>	<b>INSTRUKEM</b>	reference	packaging	price
Assay > 99.8% Water (KF) < 0.02% S compounds < 0.003% Acidity < 0.0005meq/g	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 290 nm > 50% UV-Tr. (1cm;Wat.) 300 nm > 80% UV-Tr. (1cm;Wat.) 310 nm > 90%	UV-Tr. (1cm;Wat.) 330 nm > 97% UV-Tr. (1cm;Wat.) 350 nm > 98%	TOLN-0GH-2K5 TOLN-0GH-P04	2,5 L 4x2,5 L

## Trichloroacetic acid

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CAS: 76-03-9 MW: 163,39 EC: 200-927-2 TARIC code: 29154000



ADR: 8(9) C4 II UN 1839 IMDG: 8(9) II UN 1839 IATA: 8(9) II UN 1839

Trichloroacetic acid 99% <b>AGR</b> ACS	<b>BASICHEM</b>	reference	packaging	price
Assay > 99% Freezing point > 56°C Insol. matter < 0.005% NO <sub>3</sub> < 0.002%	Cl <sup>-</sup> < 0.002% Subs. dark. by H <sub>2</sub> SO <sub>4</sub> Passes test PO <sub>4</sub> < 0.0005% SO <sub>4</sub> < 0.02%	Fe < 0.001% Res. on ignition < 0.02% Heavy met. < 0.002%	TRCH-00A-500	500 g

## Triethylamine

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CAS: 121-44-8 MW: 101,19 EC: 204-469-4 TARIC code: 29211999



ADR: 3(8) FC II UN 1296 IMDG: 3(8) II UN 1296 IATA: 3(8) II UN 1296

Triethylamine 99.5% <b>AGR</b>	<b>BASICHEM</b>	reference	packaging	price	
Assay > 99.5% Colour (Hazen) < 10 H <sub>2</sub> O < 0.1% Density at 20°C 0.727g/ml Ba < 0.000002% Ni < 0.000002%	Res. on evap. < 0.01% Fe < 0.00002% Al < 0.000005% Ca < 0.00005% Cr < 0.000002% Cu < 0.000002%	Mn < 0.000002% UV Absorbance Passes test Co < 0.000002% Mg < 0.000002% Na < 0.00005%	K < 0.000005% Pb < 0.000002% Sr < 0.000002% Cd < 0.000002% Zn < 0.00001%	TRIE-00A-500	500 ml

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)**Disclaimer:** Labkem chemical products are exclusively for use in laboratory and by instructed and experienced technicians. These chemical products may be dangerous, so please follow instructions mentioned on the Material safety data sheets.




Due to shipping restrictions or local/national regulations, all products may not be available in all countries or for some particular customers.

## Urea

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CAS: 57-13-6 MW: 60,06 EC: 200-315-5 TARIC code: 31021000

CH<sub>4</sub>N<sub>2</sub>O


Urea <b>EPR</b> Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
Melt. range 132.5 - 134.5°C Assay > 99.6% App. white/crystal. powder Insol. matter < 0.001%	Biuret < 0.1% H <sub>2</sub> O < 0.2% Ash < 0.002% NH <sub>4</sub> < 0.05%	Fe < 0.0001% Heavy metals (Pb) < 0.0003% As < 0.00005%	UREA-00P-500 UREA-00P-1K0	 500 g  1 kg	
Urea <b>AGR</b> ACS, BP, USP	<b>BASICEM</b>	reference	packaging	price	
App. White granules/crystal. powder Assay > 99% Melt. range 131 - 134°C Solub. in H <sub>2</sub> O < 0.003% Acidity < 0.05ml N%	Alkalinity < 0.05ml N% Ash (SO <sub>4</sub> ) < 0.005% Cl <sup>-</sup> < 0.02% SO <sub>4</sub> < 0.05% Cu < 0.0001%	Fe < 0.0001% Pb < 0.0002% Biuret < 0.1%	UREA-00A-500	 500 g	

## Vanillin 99.9%

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CAS: 121-33-5 MW: 152,15 EC: 204-465-2 TARIC code: 29124100

C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>

Vanillin 99.9% <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99.9%	Melt. range 81 - 83°C	Insol. (EtOH) < 0.01%	Ash (SO <sub>4</sub> ) < 0.01%	VANI-00A-100  100 g	

## Vaseline, liquid

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Vaseline, liquid <b>AUX</b> Ph.Eur.	<b>BASICEM</b>	reference	packaging	price
App. Colourless, transparent, oily / liquid, free from fluorescence in daylight Identification Conforms Acid. or alk. Passes test Rel. dens. 0.827 - 0.89	Viscosity 110 - 230cP PAH Passes test Readily carbonis. subs. Passes test Solid paraffins Passes test	VALI-POP-1K0 VALI-POP-5K0	 1 L  5 L	



## Water

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CAS: 7732-18-5 MW: 18,02 EC: 231-791-2 TARIC code: 28530010

H<sub>2</sub>O

Water <b>EPR</b> Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
PH 5 - 6.5 Conductivity at 20 °C < 3.5µS/cm* *At the bottling time Micr. contam. (TAMC) < 100CFU/ml Heavy metals (Pb) < 0.00001%	NO <sub>3</sub> < 0.00002% Oxidisable subs. Passes test TOC < 0.00001% Acid. or alk. Passes test Cl <sup>-</sup> Passes test	SO <sub>4</sub> Passes test NH <sub>4</sub> < 0.00002% Ca + Mg Passes test Res. on evap. < 0.001%	WATR-00P-5K0 WATR-00P-20K WATR-00P-25K	 5 L  20 L  25 L	
<b>Accessory for bag-in-box tap</b>		WATR-TAP-001			
Water ultrapure <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
H2O-LF < 1µS/cm* *At the bottling time UV filtrated 0.4µm Non-Vol. Mat. < 0.0001% Cl <sup>-</sup> < 0.000005% F < 0.000005% NO <sub>3</sub> < 0.000001% PO <sub>4</sub> < 0.000001% SiO <sub>2</sub> < 0.000001% SO <sub>4</sub> < 0.000001% Ag < 0.00000004%	Al < 0.0000002% As < 0.0000002% Au < 0.0000001% B < 0.0000005% Ba < 0.0000001% Be < 0.0000002% Bi < 0.0000001% Ca < 0.0000005% Cd < 0.0000001% Co < 0.0000001% Cr < 0.00000004%	Cu < 0.00000004% Fe < 0.0000001% K < 0.0000005% Li < 0.0000002% Mg < 0.0000005% Mn < 0.00000004% Mo < 0.0000002% Na < 0.000001% Ni < 0.00000004% Pb < 0.0000001% Pt < 0.0000001%	Sb < 0.0000001% Se < 0.0000001% Sn < 0.0000001% Sr < 0.00000004% Ti < 0.0000001% V < 0.0000001% Zn < 0.0000004% Zr < 0.0000001%	WATR-00A-10K  10 L	

Water GC / HPLC <b>GGR</b>	<b>INSTRUKEM</b>		reference	packaging	price
ACS Spec. passes test UV spectrophotometry UV-Abs. max. lim. (190 nm) < 0.01 UV-Abs. max. lim. (200 nm) < 0.01	UV-Abs. max. lim. (250-400 nm) < 0.005 UV Cutoff < 190nm LC Grad. Suit. Grad. Elut. test passes test	Colour (Hazen) < 5 Res. on evap. < 0.001%	WATR-00H-2K5	 2,5 L	
			WATR-00H-P04	 4x2,5 L	

Water LC/MS <b>LGR</b>	<b>INSTRUKEM</b>		reference	packaging	price
App. Clear colourless liquid Reserpine < 0.000005% Colour (Hazen) < 10 Res. on evap. < 0.001%	LC Grad. Suit. Passes test T190nm > 97% T200nm > 98% T(250nm - 400nm) > 99%	Fe < 0.000005% Al < 0.000005% Ca < 0.000005% Mg < 0.000005%	Na < 0.000005% K < 0.000005%	WATR-LCM-2K5	 2,5 L
			WATR-LCM-P04	 4x2,5 L	

## Xylene (isomers )





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
CAS: 1330-20-7 MW: 106,17 EC: 215-535-7 TARIC code: 29024400 Restriction: Hydrocarbon



ADR: 3 F1 III UN 1307 IMDG: 3 III UN 1307 IATA: 3 III UN 1307



Xylene (isomers ) <b>GLR</b>	<b>BASICHEM</b>		reference	packaging	price
App. Clear and colourless liquid Benzene < 0.01% S compounds Exempt Colour (Hazen) < 20	Density at 15 °C 0.865 - 0.875g/ml Ethylbenzene < 25% Distillation range 137 - 140°C Non-arom. Hydrocarb. < 1%		XYLN-P0P-1K0	 1 L	
			XYLN-G0P-1K0	 1 L	
			XYLN-P0P-5K0	 5 L	
			XYLN-M0P-25K	 25 L	

Xylene (isomers ) <b>AGR</b> ACS, ISO, Ph.Eur.	<b>BASICHEM</b>		reference	packaging	price
Assay > 99% Non-Vol. Mat. < 0.001% H <sub>2</sub> O < 0.01% Free Acid < 0.0005% Free Alkalinity < 0.0005% Al < 0.00005%	B < 0.000002% Ba < 0.00001% Ca < 0.00005% Cd < 0.000002% Co < 0.000002% Cr < 0.000002%	Cu < 0.000002% Fe < 0.00001% Mg < 0.00001% Mn < 0.000002% Ni < 0.000002% Pb < 0.00001%	Sn < 0.00001% Zn < 0.00001% Benzene < 0.1% S < 0.003% Thiophene < 0.0001% Toluene < 0.1%	XYLN-G0A-1K0	 1 L
			XYLN-G0A-2K5	 2,5 L	
			XYLN-G0A-P04	 4x2,5 L	
			XYLN-P0A-5K0	 5 L	

Yeast extract see p. 27

## Zinc chloride anhydrous



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CAS: 7646-85-7 MW: 136,3 EC: 231-592-0 TARIC code: 28273985



ADR: 8 C2 III UN 2331 IMDG: 8 III UN 2331 IATA: 8 III UN 2331



Zinc chloride anhydrous <b>EPR</b>	<b>BASICHEM</b>		reference	packaging	price
Assay > 98% Oxychlorides (ZnO) < 2.4% Na+K+Ca < 1%	Fe < 0.002% Cu < 0.002% Pb < 0.002%	Cd < 0.001%	ZNCH-00P-500	 500 g	
			ZNCH-00P-1K0	 1 kg	

Cinc cloruro anhidro <b>AGR</b>	<b>BASICHEM</b>		reference	packaging	price
Assay > 98% Oxychlorides (ZnO) < 1.2% Total N < 0.002% Fe < 0.0005%	Ca < 0.001% Cu < 0.001% Mg < 0.001% SO <sub>4</sub> < 0.002%	Na < 0.001% K < 0.001% Pb < 0.001% Cd < 0.0005%	ZNCH-00A-250	 250 g	



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GRADES and FAMILIES information on p. 282

## Zinc nitrate hexahydrate

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CAS: 10196-18-6 MW: 297,47 EC: 231-943-8 TARIC code: 28342980

Zn(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O

ADR: 5.1 O2 II UN 1514 IMDG: 5.1 II UN 1514 IATA: 5.1 II UN 1514



Zinc nitrate hexahydrate <b>EPR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay (Zn) > 98.0% App. White crystals Insol. matter < 0.01%	Cl <sup>-</sup> < 0.005% Free ac. (HNO <sub>3</sub> ) < 0.04% Fe < 0.005%	Ca < 0.02% SO <sub>4</sub> < 0.01% Na < 0.02%	K < 0.02% Pb < 0.02%	ZNNA-06T-500	500 g

Zinc nitrate hexahydrate <b>AGR ACS</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 98% Insol. matter < 0.005% Cl <sup>-</sup> < 0.001% Ni < 0.0005%	Fe < 0.0005% Ca < 0.001% Cu < 0.0005% Mg < 0.001%	SO <sub>4</sub> < 0.005% Na <sub>4</sub> < 0.001% K < 0.001% Pb < 0.001%	Cd < 0.0005%	ZNNA-06A-500	500 g

## Zinc, powder

labkem

CAS: 7440-66-6 MW: 65,38 EC: 231-175-3 TARIC code: 79039000

Zn

ADR: 9 M7 III UN 03077 IMDG: 9 III UN 03077 IATA: 9 III UN 03077



Zinc, powder <b>AGR</b>	<b>BASICEM</b>	reference	packaging	price	
Assay > 99% As < 0.00002%	Cd < 0.005% Fe < 0.05%	Pb < 0.05% Sn < 0.01%	Cl <sup>-</sup> < 0.005%	ZNMT-P0A-500	500 g

## Zinc sheet

labkem

CAS: 7440-66-6 MW: 65,38 EC: 231-175-3 TARIC code: 90230010

Zn

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077



Zinc sheet 100 x 30 x 0.8 mm <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price
Approx. dim. 100 x 30 x 0.8 mm		ZNMT-L01-010	10 un.	

Zinc sheet 100 x 30 x 1.5 mm <b>GLR</b>	<b>BASICEM</b>	reference	packaging	price
Approx. dim. 100 x 30 x 1.5 mm		ZNMT-L02-010	10 un.	

## Zinc sulfate heptahydrate

labkem

CAS: 7446-20-0 MW: 287,54 EC: 231-793-3 TARIC code: 28332920

ZnSO<sub>4</sub>·7H<sub>2</sub>O

ADR: 9 M7 III UN 3077 IMDG: 9 III UN 3077 IATA: 9 III UN 3077



Zinc sulfate heptahydrate <b>EPR</b> , Ph.Eur., USP	<b>BASICEM</b>	reference	packaging	price	
Assay 99.0 - 100.5% Insoluble matter ≤ 0.02% pH (5%;20°C) 4.4-5.6	Total N ≤ 0.002% Cl ≤ 0.002% As ≤ 0.0005%	Pb ≤ 0.003% K ≤ 0.005% Na ≤ 0.005%	Ca ≤ 0.005% Fe ≤ 0.0005%	ZNSU-7EP-500	500 g
				ZNSU-7EP-1K0	1 kg

Zinc sulfate heptahydrate <b>AGR ACS</b> , Reag.Ph.Eur.	<b>BASICEM</b>	reference	packaging	price	
Assay 99.5-100.5% Insoluble matter ≤ 0.005% pH (5%;20°C) 4.4-5.6 NO <sub>3</sub> ≤ 0.002%	NH <sub>4</sub> ≤ 0.001% Cl ≤ 0.0003% As ≤ 0.0001% Cd ≤ 0.0001%	Mg ≤ 0.0003% Mn ≤ 0.0003% Cu ≤ 0.0005% Pb ≤ 0.001%	K ≤ 0.001% Na ≤ 0.001% Ca ≤ 0.002% Fe ≤ 0.0003%	ZNSU-07A-500	500 g
				ZNSU-07A-1K0	1 kg



## INDICATORS FOR VOLUMETRIC TITRATIONS

## Bromocresol green

labkem

CAS: 76-60-8 MW: 698,04 EC: 200-972-8 TARIC code: 29349990




Bromocresol green <b>IND</b> , ACS	<b>BASICEM</b>	reference	packaging	price
Transition range pH 3.6 - 5.4 yellow to blue	Trans. range (ACS) Passes test Sensitivity Passes test	BRCR-G0D-001	 1 g	
		BRCR-G0D-005	 5 g	

## Bromocresol green, solution 0.04%

labkem

CAS: 76-60-8 MW: 698,04 EC: 200-972-8 TARIC code: 29349990





Bromocresol green, solution 0.04% <b>IND</b>	<b>BASICEM</b>	reference	packaging	price
Transition range pH 3.6 - 5.4	yellow to blue	BRCR-GSD-100	 100 ml	

## Bromocresol purple

labkem

CAS: 115-40-2 MW: 540,22 EC: 204-087-8 TARIC code: 29349990





Bromocresol purple <b>IND</b>	<b>BASICEM</b>	reference	packaging	price
Transition range pH 5.2 - 6.8 yellow to purple	App. of sol. conforms Sensitivity Passes test	Loss on dry. (110 °C) < 1%	BRCR-P0D-005	 5 g
			BRCR-P0D-025	 25 g

## Bromophenol blue

labkem

CAS: 115-39-9 MW: 669,96 EC: 204-086-2 TARIC code: 29349990



Bromophenol blue <b>IND</b> , ACS	<b>BASICEM</b>	reference	packaging	price
App. of sol. Passes test Transition range pH 3 - 4.6 yellow to blue	Loss on dry. (105 °C) < 1% Trans. range (ACS) Passes test Sensitivity Passes test	BRPH-B0D-005	 5 g	
		BRPH-B0D-025	 25 g	

## Bromophenol blue, solution 0.04%

labkem

CAS: 115-39-9 MW: 669,96 EC: 204-086-2 TARIC code: 29349990





Bromophenol blue, solution 0.04% <b>IND</b>	<b>BASICEM</b>	reference	packaging	price
Transition range pH 3 - 4.6	yellow to blue	BRPH-BSD-100	 100 ml	

## Bromothymol blue

labkem

CAS: 76-59-5 MW: 624,4 EC: 200-971-2 TARIC code: 29349990



Bromothymol blue <b>IND</b> , ACS	<b>BASICEM</b>	reference	packaging	price
Transition range pH 6 - 7.6 yellow to blue App. of sol. Passes test Loss on dry. (110 °C) < 3%	Trans. range (ACS) Passes test Sensit. (pH 6.0) Yellow Sensit. (pH 7.6) Blue	BRTH-B0D-005	 5 g	
		BRTH-B0D-025	 25 g	

## Congo red, C.I. 22120

labkem

CAS: 573-58-0 MW: 696,65 EC: 209-358-4 TARIC code: 32041400



ADR: 6.1 T2 III UN 2811 IMDG: 6.1 III UN 2811 IATA: 6.1 III UN 2811



Congo red (C.I. 22120) <b>MIC</b> , Ph. Eur.	<b>BASICHEM</b>	reference	packaging	price
App. Brownish red powder Transition range pH 3 - 5.2 blue-violet to red orange	Loss on Dry. (110°C) < 5% Sensitivity	CONG-R0D-025	25 g	

## Cresol red

labkem

CAS: 1733-12-6 MW: 382,44 EC: 217-064-2 TARIC code: 29349990



Cresol red <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
App. Green to dark red or maroon Acid. trans. range pH 1.2 - 2.8	Alkal. trans. range pH 7 - 8.8 Loss on dry. (110 °C) < 5%	CRES-R0D-025	25 g	

## Eriochrome black T, C.I. 14645

labkem

CAS: 1787-61-7 MW: 461,38 EC: 217-250-3 TARIC code: 32041200



Eriochrome black T (C.I. 14645) <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Suit. as indicator for met. titration Passes test Abs. Max. (pH 10) 612 - 616nm	Loss on dry. < 7%	ERIO-T0D-100	100 g	

## Indigo carmine, C.I. 73015

labkem

CAS: 860-22-0 MW: 466,36 EC: 212-728-8 TARIC code: 32041200



Indigo carmine (C.I. 73015) <b>IND</b> , USP, NF	<b>BASICHEM</b>	reference	packaging	price
Assay > 80% Transition range pH 11.4 - 13 blue to yellow Abs. max. (H <sub>2</sub> O) 608 - 612nm	Sp. abs. (A, %; 1cm; λmax; 0.001% H <sub>2</sub> O) 380 - 475nm Loss on dry. (110 °C) < 10% Suit. for microb. Passes test	INCA-00D-025	25 g	

## Methyl orange C.I. 13025

labkem

CAS: 547-58-0 MW: 327,34 EC: 208-925-3 TARIC code: 29270000



ADR: 6.1 T2 III UN 3143 IMDG: 6.1 III UN 3143 IATA: 6.1 III UN 3143

Methyl orange (C.I. 13025) <b>IND</b> , ACS	<b>BASICHEM</b>	reference	packaging	price
Transition range pH 3.1 - 4.4	Red to yellow-orange	MTOR-00D-100	100 g	

## Methyl orange, solution 0.04%

labkem

CAS: 547-58-0 MW: 327,34 EC: 208-925-4 TARIC code: 38220000



ADR: 3 III F1 UN 1993 IMDG: 3 III UN 1993 IATA: 3 III UN 1993



Methyl orange, solution 0.04% <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Transition range pH 3.1 - 4.4 Pink-orange-yellow	Sensitivity Passes test	MTOR-S0D-250	250 ml	

## Methyl red, C.I. 13020

labkem

CAS: 493-52-7 MW: 269,32 EC: 207-776-2 TARIC code: 29270000




Methyl red (C.I. 13020) <b>IND</b> ACS	<b>BASICHEM</b>	reference	packaging	price
App. Dark red to maroon to violet or purple powder or crystals Transition range pH 4.4 - 6.2 Red to yellow orange	Abs. max. $\lambda$ 1max (pH 4.5) 523 - 526nm Abs. max. $\lambda$ 1max (pH 6.2) 427 - 437nm Loss on dry. < 5.0%	MTRE-00D-010	 10 g	
		MTRE-00D-100	 100 g	

## Methylene blue, C.I. 52015

labkem

CAS: 122965-43-9 MW: 319,85 EC: 200-515-2 TARIC code: 32041300



Methylene blue (C.I. 52015) <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
App. Red-brown powder Assay > 82% Loss on dry. 8 - 16%	Abs. max. (H <sub>2</sub> O) 663 - 667nm Sp. abs. (A%; 1cm; H <sub>2</sub> O) > 2200 Coef. max. of abs. (P*15 nm) 1.21 - 1.7	TLC test Passes test	MEBL-00D-100	 100 g

## 1,10-Phenanthroline monohydrate


labkem

CAS: 5144-89-8 MW: 198,22 EC: 200-629-2 TARIC code: 29339980



ADR: 6.1 T2 III UN 2811 IMDG: 6.1 III UN 2811 IATA: 6.1 III UN 2811




1,10-Phenanthroline monohydrate <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Assay > 99.5 Melt. range 117 - 119°C Mol. ads. of Fe compl. > 11700	Sensit. to Fe 1 10000000 Ash (SO <sub>4</sub> ) < 0.05%		PHNA-01A-005	 5 g

## Phenol red

labkem

CAS: 143-74-8 MW: 354,38 EC: 205-609-7 TARIC code: 29349990





Phenol red <b>IND</b> ACS	<b>BASICHEM</b>	reference	packaging	price
Transition range pH 6.4 - 8.2	yellow to red		PHRE-00D-005	 5 g

## Phenolphthalein

labkem

CAS: 77-09-8 MW: 318,32 EC: 201-004-7 TARIC code: 29322010



Phenolphthalein <b>IND</b> ACS	<b>BASICHEM</b>	reference	packaging	price
App. A white / almost white powder Assay 98.0 - 101.0% Identification Conforms Loss on dry. < 0.5% Ash (SO <sub>4</sub> ) < 0.1% Acid. or alk. Conforms	Cl <sup>-</sup> < 0.01% Thickness (DIN 53105) Conforms App. of sol. Conforms Heavy met. < 0.001% Related subst. < 0.5% SO <sub>4</sub> < 0.02%	Thermal resistance Transition range pH 8.2 - 10 colourless to red-violet Practically insoluble in water	PHEN-00D-100	 100 g
			PHEN-00D-250	 250 g

## Phenolphthalein, solutions



labkem

TARIC code: 38220000



ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



Phenolphthalein, solution 0.2% in methanol <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Transition range pH 8 - 10 colourless to red-violet	Concentration 0.194 - 0.2006% Sensitivity Passes test		PHEN-S02-125	 125 ml
Phenolphthalein, solution 1% in methanol <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Transition range pH 8 - 10 colourless to red-violet	Concentration 0.97 - 1.03% Sensitivity Passes test		PHEN-S10-125	 125 ml

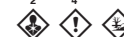


## Potassium chromate, solutions

labkem

CAS: 7789-00-6 MW: 194,21 EC: 232-140-5 TARIC code: 28415000

ADR 6.1 T5 II UN 3287 IMDG 6.1 II UN 3287 IATA 6.1 II 3287



Potassium chromate solution 5% w/v <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 4.9 - 5.1% For chloride determination according Mohr.	Density at 18°C 1.0394g/ml pH 8.5 - 10	POCH-50D-250	250 ml	
Potassium chromate solution 10% w/v <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
App. Yellow liquid Assay 9.9 - 10.1%	pH 8.5 - 10 Density at 18°C 1.0821g/ml	POCH-10D-250	250 ml	

## Potassium chromate see p. 261

## Starch

labkem

CAS: 9005-84-9 MW: (162.1)n EC: 232-679-6 TARIC code: 35051090



Starch 1% <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Assay 0.9 - 1.1%	pH 5 - 7.5	STAR-10I-250	250 ml	

## Thymol blue

labkem

CAS: 76-61-9 MW: 466,6 EC: 200-973-3 TARIC code: 29349990



Thymol blue <b>IND</b> , ACS	<b>BASICHEM</b>	reference	packaging	price
Appearance Acidic transition range pH 1.2 - 2.8 red to yellow	Alkaline transition range pH 8 - 9.6 yellow to blue Loss on dry. < 10% Dye content > 95%	THBL-00D-005	5 g	
		THBL-00D-025	25 g	

## Thymol blue, solution 0.04%

labkem

CAS: 76-61-9 MW: 466,6 EC: 200-973-5 TARIC code: 29349990



ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230



Thymol blue, solution 0.04% <b>IND</b>	<b>BASICHEM</b>	reference	packaging	price
Acidic transition range pH 1.2 - 2.8 violet-red to brownish yellow	Alkaline transition range pH 7.8 - 9.5 yellow to blue	THBL-S0D-100	100 ml	

Material safety data sheets and certificates of analysis are downloadable free of charge at [www.labbox.com](http://www.labbox.com)

**Disclaimer:** Labkem chemical products are exclusively for use in laboratory and by instructed and experienced technicians. These chemical products may be dangerous, so please follow instructions mentioned on the Material safety data sheets.

Due to shipping restrictions or local/national regulations, all products may not be available in all countries or for some particular customers.

## Technical data

### Physical properties of plastics

Material	Resistance to temperature (for ordinary use)	Autoclavable (121 °C, 20 min)
ABS	-40 °C to +85 °C	no
HDPE	-50 °C to +80 °C	no
LDPE	-50 °C to +75 °C	no
PA	-30 °C to +80 °C	yes
PC	-100 °C to +135 °C	yes
PE	-40 °C to +80 °C	no
PMMA	-40 °C to +85 °C	no
PMP	0 °C to +120 °C	yes
POM	-40 °C to +90 °C	yes
PP	-10 °C to +120 °C	yes
PS	-10 °C to +70 °C	no
PTFE	-200 °C to +260 °C	yes
PVC	-20 °C to +80 °C	no
PVDF	-40 °C to +105 °C	yes

### Chemical resistance of plastics

Material	LDPE	HDPE	PP	PMP	PTFE / PFA
Concentrated acids	++	++	++	++	++
Diluted acids	++	++	++	++	++
Alkalis	++	++	++	++	++
Aliphatic alcohols	++	++	++	++	++
Aldehydes	+	+	+	+	++
Ketones	+	+	+	-	++
Esters	+	+	+	+	++
Aliphatic hydrocarbons	-	+	+	-	++
Aromatic hydrocarbons	-	+	-	-	++
Halogenated hydrocarbons	--	-	-	--	++
Strong oxidants	-	-	-	-	++

High resistance	++	Good resistance	+
Marginal resistance	-	Non resistant	--

### Premium Line PORCELAIN, TECHNICAL SPECIFICATIONS

#### Thermal Shock Resistance:

Average coefficient of expansion from 20 °C to 200 °C is  $3.56 \times 10^{-5}$ , gradually increasing to  $4.69 \times 10^{-5}$  at 1000 °C.

Experience has indicated suitability of particular shapes for specific uses. It remains the responsibility of the user to determine the suitability for his use. To prevent thermal stress cracks on porcelain ware, Labbox strongly recommends a heating/cooling rate not to exceed 200 °C/hour. The thermal shock resistance of laboratory porcelain depends on various factors such as the correct correlation of the coefficient of expansion of porcelain body and glaze, the elasticity of glaze, etc.

#### Resistance to Chemical Action:

The resistance to acids and alkalis is excellent, except for hydrofluoric acid.

#### Prolonging labware life:

Follow gradual heating and cooling rates. Use an oven or hot plate as an intermediate step when quicker heating/cooling rates are required. Gradually increase flame intensity when using a gas burner. Avoid contact of heated ware with a cold surface. Carefully inspect your labware prior to each use and do not use any product that appears defective.

### LABBOX GLASSWARE, TECHNICAL SPECIFICATIONS

**LBG 3.3** is a borosilicate glass with a minimum content in silica of 80% and a low expansion coefficient ( $3.3 \cdot 10^{-6} \text{ K}^{-1}$ ) included in the 3.3 borosilicate group, as defined in ISO 3585 standard.

It is used in products where chemical and mechanical resistance is to be combined with resistance to sudden temperature changes. This particular combination of properties makes this type of glass the most used in labware.

#### Physical and chemical properties

Linear expansion coefficient (@ 20/300 °C)	$3.3 \cdot 10^{-6} \text{ K}^{-1}$
Strain point	520 °C
Annealing point	$560 \pm 10 \text{ °C}$
Softening point	$820 \pm 10 \text{ °C}$
Density	$2.23 \pm 0.02 \text{ g/cm}^3$
Hydrolytic resistance (acc. to ISO 719, water at 98 °C)	Class 1
Hydrolytic resistance (acc. to ISO 720, water at 121 °C)	Class 1
Resistance to acids (acc. to ISO 1776, DIN 12116)	Class 1
Resistance to alkalis (acc. to ISO 695)	Class 2

#### Typical composition

80.4%	in weight $\text{SiO}_2$
13.0%	in weight $\text{B}_2\text{O}_3$
4.2%	in weight $\text{Na}_2\text{O}$
2.4%	in weight $\text{Al}_2\text{O}_3$

**LBG N** is a neutral borosilicate glass with a high chemical resistance. Its average linear dilation coefficient is  $8.0 \cdot 10^{-6} \text{ K}^{-1}$ . It is used in products not intended to be directly heated, but instead should have a higher mechanical resistance (such as mortars, desiccators, filtering flasks ...) or in some volumetric glassware (such as pipettes, burettes ...).

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