



**VALID UNTIL
30/09/2025**

**NEW FROM
LABSOLUTE®
SEALING FILM SEAL**

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TEMPERATURE MEASUREMENT

DATA LOGGER EBI 20-T1, TEMPERATURE/HUMIDITY DATA LOGGER EBI 20-TH1



EBI 20-T1



EBI 20-TH1

Applications:

- Transport
- Storage monitoring
- Refrigeration areas and cold rooms

Features:

- Visual alarm
- Max/min values on display
- Stores 40000 readings, can be read off at any time

Scope of supply:

EBI 20-T1: Temperature Logger

EBI 20-T1-Set: Temperature Logger, evaluation software, Interface

EBI 20-TH1: Humidity data logger

EBI 20-TH1-Set: Humidity data logger, evaluation software, Interface

Specifications

Measuring range temperature:	-30 to +70 °C
Measuring range humidity (EBI 20-TH1):	0% to 100% R.H.
Accuracy temperature:	±0.5 °C (-20 to +40 °C); ±0.8 °C for remaining measuring range
Accuracy humidity (EBI 20-TH1):	±3% R.H. (10 to 90% R.H.)
Resolution temperature:	0.1 °C
Resolution humidity (EBI 20-TH1):	0.1% R.H.
Memory:	40000 samples
Sensor:	NTC for temperature/capacitive for humidity
Operating temperature:	-30 to +70 °C
Storage temperature:	-40 to +70 °C
Measuring period:	1 minute to 24 hours
Power supply:	3 V lithium (CR 2450), can be replaced by user
IP code:	IP 67 (EBI-20 T1)/IP 52 (EBI 20-TH1)
Housing:	ABS
Dimensions (L x W x H):	69 x 48 x 22 mm

Type	PK	Cat. No.
EBI 20-T1	1	9.908 069
EBI 20-T1-Set	1	9.908 073
EBI 20-TH1	1	9.908 070
EBI 20-TH1-Set	1	9.908 074

PENETRATION/INFRARED THERMOMETER TESTO 104-IR BT



Penetration thermometer with integrated infrared sensor for quick and easy determination of surface and core temperature in the food sector. Suitable for checks as part of HACCP processes. The infrared measuring device is equipped with a 2-point laser with 10:1 optics. Seamless, digital documentation is possible via the testo Smart App connection. All measurement values are automatically transferred to the testo Smart App via Bluetooth®. For regulatory requirements and internal quality assurance, data can be exported or professional reports can be created in PDF format (incl. signature & comment function). The penetration/infrared thermometer is watertight (IP65), EN 13485 certified, and HACCP-compliant.

Scope of supply: Penetration/infrared thermometer, batteries, instruction manual, calibration protocol



Temp. range °C	Dimensions (W x D x H) mm	PK	Cat. No.
-30 ... 250	48 x 21 x 281	1	4.701 461

DISPOSABLE DATA LOGGER TEMPMATE-S1



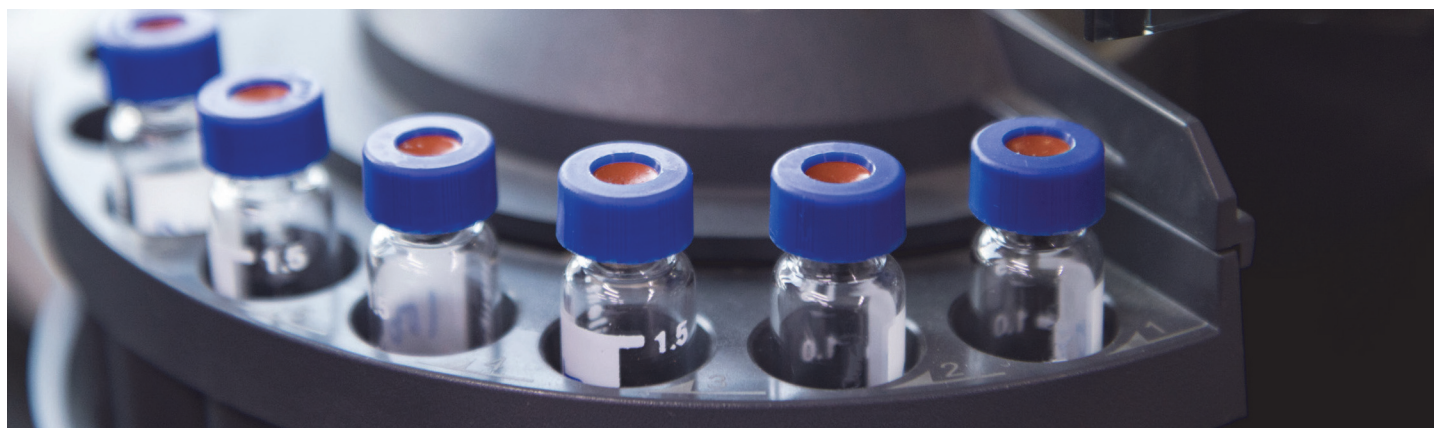
The single-use data logger TempMate-S1 with its built-in USB connector, is the ideal solution for low-cost temperature monitoring of transports.

- Auto-generating PDF and CSV format data report
- 110 days run time 16000 measurements, 10-minute interval
- Up to 5 alarm points configurable
- Integrated USB connector
- LED Alarm indicators
- Food proof according to HACCP

Specifications

Temperature range:	-30 ... 70 °C
Accuracy:	±0.5 °C at -20 ... +40 °C/±1.0 °C in remaining range
Resolution:	0.1 °C
Data memory:	16000 measurements
Recording cycle:	110 days
Sampling interval:	10 min
Shelf life:	24 months
Dimensions (L x W x H):	80 x 47 x 7 mm
Weight:	14.6 g
IP code:	IP 67/NEMA 6
Certifications:	Calibration Certificate, EN 12830 S, T, C, D, 1

Type	PK	Cat. No.
TempMate-S1	1	6.285 049



TOP PRODUCTS FOR YOUR GAS CHROMATOGRAPHY RESIDUE GRADE FOR PESTICIDE AND RESIDUE ANALYSIS

With **CHEMSOLUTE®** you are always on the safe side - this also applies to the high-purity solvents that have been specially developed for demanding pesticide and residue analyses using gas chromatography. The advantages at a glance:

- Increased sensitivity: Enables the detection of even the smallest concentrations with maximum precision
- Reproducible results: Consistency across batches for reliable and comparable analyses
- Longevity of the GC column: Guaranteed to be free of impurities that could contaminate the column

Discover the CHEMSOLUTE® range of solvents for your GC at **attractive promotional prices on page B2** in this issue.



Our tip: You can find more top products for chromatography, including those from LABSOLUTE®, on pages 6–7, B1 and B3 - at special offer prices!

PHOTOMETER MD50



The MD50 is specifically designed for COD determination and offers superior performance enhanced usability and expanded testing capabilities, including the new Very Low Range (VLR) COD method for ultra-sensitive measurements.

You can find the specifications for this device in our webshop.

Scope of supply: Photometer in carrying case, adapter for cells (16 mm), 2 x dosing syringes (1 ml, 2 ml), USB-C cable, screwdriver, manual, 2 x AA batteries

Type	Dimensions (W x D x H) mm	PK	Cat. No.
MD50 COD	76 x 155 x 45	1	6.523 619

DIGITAL REFRACTOMETER RFM340-T



**Bellingham
+ Stanley**
a xylem brand

High-precision measuring device with Peltier temperature control for demanding applications in the food, beverage, and chemical industries. SMART temperature stability, RFID user identification, and application-specific, pre-programmed methods simplify routine analyses. Measurements can be performed quickly and reliably in Brix, refractive index (RI), or up to 100 user-defined scales.

You can find the specifications for this device in our webshop.

Measuring range	Temp. range °C	PK	Cat. No.
0 ... 100 °Brix; 1.32 ... 1.58 RI	0 ... 70	1	4.694 491

CLIMATE MEASUREMENT

ROOM CLIMATE MONITOR RM 100



Ideal for monitoring the CO₂ concentration in any room

-ebro-
Measurements for Life



For reliable control and evaluation of indoor air quality. Simultaneous measurement and display of temperature, CO₂ concentration and humidity. The CO₂ concentration in the air is additionally indicated by three LEDs as good, medium or bad.

- Alarming when a limit is exceeded
- Large, illuminated display
- Factory calibration certificate

Scope of supply: Room climate monitor RM 100, external AC/DC adapter

Specifications

CO₂ range:	0 ... 3000 ppm
Resolution:	1 ppm (0 ... 1000 ppm), 5 ppm (1001 ... 2000 ppm), 10 ppm (2001 ... 3000 ppm)
Accuracy:	below 25 °C: ±80 ppm or ±5% of measured value (<2000 ppm); ±7% (>2000 ppm)
LED's:	green: <800 ppm, yellow: 800 ... 1200 ppm, red: >1200 ppm
Temperature range:	0 ... 50 °C
Resolution:	0.1 °C
Accuracy:	±1 °C
Relative humidity:	20 ... 90%
Resolution:	1%
Accuracy:	±5%
Dimensions (L x D x H):	137 x 51 x 99 mm
Weight:	200 g
Electricity supply:	USB or 5 VDC adapter
Power supply:	100-240 VAC 50/60 Hz

Type	PK	Cat. No.
RM 100	1	6.288 263

DIGITAL THERMO-HYGROMETER



For monitoring indoor temperature and humidity.

- Large, easy-to-read display
- Display of maximum and minimum values
- °C/°F-switchable
- For hanging or standing

Scope of supply: Thermo-hygrometer, battery, operating instructions



Temperature range:	-10 ... 60 °C
Temperature accuracy:	±1 °C (-10 ... 50 °C)
Humidity range:	10 ... 99% rH
Humidity accuracy:	±5% (25 ... 75% rH)
Dimensions (L x W x H):	102 x 21(50) x 110 mm
Weight:	122 g

Type	PK	Cat. No.
Digital Thermo-hygrometer	1	6.225 927

LIGHT MEASURING INSTRUMENT TESTO 540

Quick and easy-to-use instrument for measuring lighting conditions in the workplace. The sensor is adapted to the spectral sensitivity of the eye.

- Display illumination
- Hold-function
- Max./min. values

Scope of supply: Metre incl. protection cap, batteries, calibration protocol



Specifications

Measuring range:	0 to 99999 lx
Resolution:	1 lx (0 to 19999 lx) 10 lx (remaining range)
Accuracy:	±3 lx or ±3%
Measuring frequency:	0.5 s
Dimensions (W x D x H):	133 x 46 x 25 mm
Weight:	95 g
IP code:	IP 40
Power supply:	2 Micro cells AAA

Type	PK	Cat. No.
testo 540	1	6.232 393

SECCHI DISK



For determining the depth of visibility and light permeability of water. Sturdy design made of strong, hard-wearing plastic. Lead weight for better lowering. The approx. 15 cm high rod is fitted with an eyelet for fastening the lowering engine. The lowering line is marked in intervals of 100 cm with figures from 1 to 10 and in between additionally with line markings each 50 cm for better reading of the depth of visibility while the disk is being lowered.

Lowering line, please order separately.

Description	PK	Cat. No.
Secchi Disk, diam. 250 mm, 4 areas (2 x black, 2 x white)	1	6.267 808
Lowering line, 10 m, marked in intervals of 50 cm and 100 cm	1	7.072 324

GRIPPERS FOR VACCINE VIALS, PP



For precise gripping and safe removal of crimped vaccine/serum vials from cold storage boxes. Set consisting of 5 different colours (red, purple, blue, green, and yellow).

- Ergonomic squeeze area
- For vaccine vials up to Ø 21 mm
- Autoclavable at 121 °C

Dimensions (W x L x H) mm	PK	Cat. No.
20 x 152 x 35	5	6.492 240

CRYOWARE MARKER SET NALGENE™, TYPE 6313



For durable labelling of cardboard, plastic and cloth material for use at ultra-low temperatures. Non-smudge and non-running. Removable with alcohol. Extra fine point. Two packs available: 1 pack contains one each red, green, black and blue marker while the other pack contains black markers only.

Description	PK	Cat. No.
Assorted	4	9.400 978
Black	4	9.400 979

CRYO TUBES, SKIRTED, PP



Temperature resistant down to -196°C. Do not use in the nitrogen liquid phase. Screw cap with star-shaped notch, ideal for automatic capper/decapper. Labelled with an individual barcode for each tube for quick and clear identification.

- Packed in bags of 50 pieces
- Free from DNase/RNase
- Sterile

Capacity ml	Thread	Height cm	Ø mm	PK	Cat. No.
1.2	External	4.13	12.60	500	7.696 650
1.2	Internal	4.25	12.60	500	7.696 651
2.0	External	4.69	12.60	500	7.696 652
2.0	Internal	4.77	12.60	500	7.696 653

COLOURED CAP INSERTS FOR CRYO TUBES



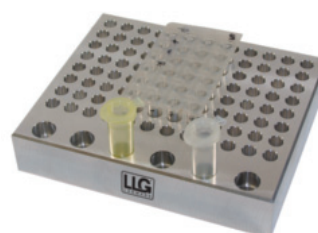
The LABSOLUTE® lid inserts for cryogenic tubes are very easy to insert into the screw caps and are used for colour coding your samples.

Colour	PK	Cat. No.
Blue	100	7.696 644
White	100	7.696 645
Yellow	100	7.696 646
Purple	100	7.696 647
Red	100	7.696 648
Green	100	7.696 649

LLG-TEMPERATURE BLOCK EXACT, ALUMINIUM

Suitable for both cooling and heating, universally usable, uniform temperature distribution within the block, ideal for all temperature-sensitive applications.

Array	Dimensions (W x D x H) mm	PK	Cat. No.
96 x 0.2 ml PCR tubes + 6 x 1.5 ml tubes	118 x 89 x 24	1	9.409 015
24 x 1.5 ml tubes	115 x 89 x 34	1	9.409 017
24 x 2.0 ml tubes	115 x 89 x 34	1	9.409 018
12 x 15.0 ml Centrifuge tubes	75 x 89 x 38	1	9.409 008



SHORT THREAD VIALS AND MICRO-VIALS ND9



WIDE OPENING

Short thread vials and micro-vials ND9 are available in clear and amber first hydrolytic class glass and can be used on almost all autosamplers. You can replace other 1.5 ml vial types like 11 mm crimp neck vials, 8-425 and 10-425 screw neck vials, which can help rationalize stocks.

Due to the technical geometry, the vials can be used on all common autosamplers, but preferentially on instruments made by Agilent, HTA, Shimadzu, Thermo Scientific, Varian and Waters.

Type	Description	Capacity ml	Size	PK	Cat. No.
(1)	Clear glass, flat bottom	1.5	32 x 11.6	100	7.663 231
(2)	Amber glass, flat bottom	1.5	32 x 11.6	100	7.663 232
(3)	Clear glass, flat bottom, with label	1.5	32 x 11.6	100	7.663 232
(4)	Amber glass, flat bottom, with label	1.5	32 x 11.6	100	7.645 571

SURESTOP

The short thread vials ND9 SureStop are available in clear and amber first hydrolytic class glass and are the best available on the market in terms of seal tightness and reliability. The vials have an additional stopper ring at the end of the thread which clearly marks the end point in the screwing-in process. This ensures that the tightness of the seal is independent of the touch or feel of the user screwing the stopper in. This ensures the lowest possible number of standard deviations and high reproducibility of analysis results.

Type	Description	Capacity ml	Size	PK	Cat. No.
(5)	Clear glass, flat bottom	1.5	32 x 11.6	100	7.639 476
(6)	Clear glass, flat bottom, with label	1.5	32 x 11.6	100	7.639 477
(7)	Amber glass, flat bottom, with label	1.5	32 x 11.6	100	7.639 478

SHORT THREAD SCREW SEALS ND9



WITH NATURAL RUBBER/TEF SEPTA

These septa are temperature-resistant from -40 °C to 120 °C and are ideal for multiple injections thanks to their excellent resealability properties.

Type	Description	Hardness	Thickness mm	PK	Cat. No.
(8)	Natural rubber red-orange / TEF transparent, transparent cap	60° shore A	1.0	100	6.088 872
(9)	Natural rubber red-orange / TEF transparent, blue cap	60° shore A	1.0	100	7.663 239

WITH SILICONE/PTFE SEPTA

These septa are temperature-resistant from -60 °C to 200 °C and have better purity than septa made of natural rubber, butyl or red rubber. However, they have less effective resealability properties and are therefore more suitable for single-injection applications. Septa with a double-sided PTFE coating show a very low particle formation during penetration.

Type	Description	Hardness	Thickness mm	PK	Cat. No.
(10)	Silicone white / PTFE red, UltraClean, transparent cap	55° shore A	1.0	100	7.612 027
(11)	Silicone white / PTFE red, UltraClean, blue cap	55° shore A	1.0	100	7.663 241
(12)	PTFE red / silicone white / PTFE red, blue cap	45° shore A	1.0	100	7.615 823
(13)	Silicone white / PTFE blue, slitted, blue cap	55° shore A	1.0	100	7.645 303

WITH SILICONE/PTFE SEPTA, ULTRABOND

These septa are temperature-resistant from -60 °C to 200 °C and have better purity than septa made of red rubber. However, they have less effective resealability properties and are therefore more suitable for single-injection applications.

Type	Description	Hardness	Thickness mm	PK	Cat. No.
(14)	Silicone beige / PTFE white, blue cap	45° shore A	1.3	100	7.616 856
(15)	Silicone beige / PTFE white, slitted, blue cap	45° shore A	1.3	100	7.616 857

VIAL RACKS, PP



The stackable vial racks made of blue PP allow the easy handling and secure transport of sample vials. PP is not transparent, but more robust than acrylic.

Vial racks made of transparent acrylic for vials from ND8 to ND20 are available on request.

Dimensions W x H x D mm	Positions	For	PK	Cat. No.
200 x 17 x 105	50	ND8*, ND9, ND10, ND11	1	7.654 509

* ND8 screw neck vials



B.SAFE-CAPS, GL 45, PPS



Typ B

Screw cap for thread GL 45 made of PPS, freely turnable distributor body made of PTFE with female threads UNF 1/4" 28 G for connecting capillary tubing (O. D. 3.2 mm) or a b.safe air valve.

Scope of supply:

Cap A: 2 x connections, 1 x fitting (PFA),
1 x air valve

Cap B: 3 x connections, 2 x fittings (PFA),
1 x blind fitting (PFA), 1 x air valve

Cap C: 4 x connections, 3 x fittings (PFA),
2 x blind fittings (PFA), 1 x air valve

Type	PK	Cat. No.
A	1	6.313 834
B	1	6.313 835
C	1	6.313 836

AIR VALVES, PP



Red/yellow. With connecting thread UNF 1/4" 28G. Filter membrane made of PTFE/PP with a porosity of 1 µm and integrated non-return valve made of silicone. With service life indicator.

Diam. mm	Life time	PK	Cat. No.
20	6 months	2	6.313 842
20	6 months	10	6.313 843

SYRINGES FOR GC AUTOSAMPLER FROM PERKIN-ELMER



GC syringes for all Perkin-Elmer autosamplers e.g. Clarus.

- With fixed needle
- Two different needle diameter
- All needles are 70 mm long with a cone-point style
- High reproducibility, low carry-over.

Capacity µl	Gauge (OD) mm	PK	Cat. No.
5	23 (0.63)	1	9.221 282
5	26 (0.47)	1	9.221 281
5 (Gas tight)	23 (0.63)	1	6.204 955
5 (Gas tight)	26 (0.47)	1	9.221 283

EXHAUST FILTERS V3.0, GL 14



The exhaust air filters are equipped with three different activated carbon layers, which bind acids and alkalis and adsorb organic solvent vapours.

- Filter media with a very high-performance spectrum for acids and alkalis
- Optimised for binding buffer solutions and solvent vapours
- With splash guard
- 1500 m²/g adsorption surface area
- Supply pack with change indicator

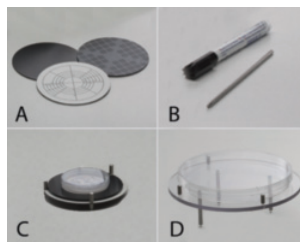


Filter size	Life time	PK	Cat. No.
S	3 months	4	4.681 461
M	6 months	2	4.681 458
L	12 months	2	4.681 463

COLONY COUNTER SCHUETT COUNT



schuett-biotec.de



Designed for reliable and efficient counting of bacterial colonies and bacteriophage plaques growing on nutrient agar or nutrient discs/filter disks in Petri dishes. Provides ergonomic and relaxed working.

- For Petri dishes with Ø 90 mm (Ø 60 or 150 mm optional)
- Individually adjustable lighting, pressure sensitivity of the counter plate and volume
- LED lighting technology, absolutely glarefree and gentle on the eyes
- Three types of illumination: from below, from the side and incident light (optional)
- High colony transparency and differentiation (agar or nutrient discs/filter), even with transparent colonies
- No heating of the samples
- Natural colour reproduction
- Easy counting by marking the colonies (with any felt pen) on the Petri dish
- Acoustic counter control (with volume control)
- 4-digit LED-display (0 - 9999), clearly arranged foil keypad
- Average count calculation, data transfer via USB to PC.
- Imported in Excel, for further processing, storage and printing

Scope of supply: For 90 mm dia. Petri dishes: adapter (transparent) for illumination from below, adapter (black/white) for illumination from side, contrast disc (black), USB-cable, marker-pen with holder.

Type	PK	Cat. No.
schuett count Colony counter, 100-240 V	1	9.521 940

ACCESSORIES FOR SCHUETT COUNT COLONY COUNTER

Type	Figure	PK	Cat. No.
Magnifier 3 x (100 mm dia.)	-	1	9.521 941
Magnifier 6-8 x (60 mm dia.)	-	1	9.521 942
LED overhead lamp	-	1	9.521 943
Spiral-Plater Disc, black/white	A	1	9.521 946
Wolffhügel Disc, black/white	A	1	9.521 947
Counting needle	B	1	9.521 948
Adapter for Petri dishes, 50 to 60 mm dia.	C	1	9.521 944
Adapter for Petri dishes, 140 to 150 mm dia.	D	1	9.521 945
Adapter for other petri dish sizes on request.			

ANAEROBIC JARS, STAINLESS STEEL

schuett-biotec.de



For the cultivation of anaerobic and microaerophilic microorganisms in a defined and rapidly generated gas atmosphere. The requested atmosphere may be reached under ideal conditions by two methods. Either by using chemical gas packs (anaerobe systems) or by manually evacuating the jars with a vacuum pump and flushing with gas afterwards (e.g. with nitrogen), in this case, no chemical accessories are needed (except anaerobic jar eco and crystal eco).

Methods for reaching anaerobic conditions: 3 x times evacuating and filling gas, flushing with gas for 5 minutes and chemical gas production (GasPacks) for Anaerobic jars "small", "standard", "large" and "crystal". For Anaerobic jar "eco" flushing with gas for 5 minutes (Using GasPack-Kits).

Type	Capacity l	Int. diam. mm	Int. height mm	PK	Cat. No.
small*	2	120	170	1	9.520 051
standard*	3	120	270	1	9.520 056
large*	6	175	260	1	9.520 050
eco**	3	120	270	1	9.520 057
crystal***	3	120	270	1	9.520 058
crystal eco****	3	120	270	1	6.287 615

*Stainless steel jar with UV-resistant plastic lid (2 valves, 1 manometer)

**Stainless steel jar with UV-resistant plastic lid (ventilation screw)

***Transparent polycarbonate jar and lid (2 valves, 1 manometer)

****Polycarbonate jar with UV-resistant plastic lid (ventilation screw)

ACCESSORIES FOR ANAEROBIC JARS

Type	To hold dishes quantity	PK	Cat. No.
Rack "standard" (for "standard", "large", "eco", "crystal")	15 (60 to 100 mm dia.)	1	9.520 053
GasPack-Kit "anaerobic" (1 x 3.5 l)		10	9.520 064
Anaerobic Indicator (test strip)		100	9.520 067

CULTURE TUBES WITH DUAL CLOSURE, PP



The LABSOLUTE® culture tubes are suitable for microbial cultivation or storage under aerobic or anaerobic conditions. The dual PE cap allows you to switch between the two variants. The simple opening and closing of the tubes also allows clean and safe working.



- Radiation sterilised
- With and without graduation
- Individually packed or in bulk

NEW

Description	Nominal capacity ml	Working volume ml	Graduation	Ø mm	Height mm	Material	PK	Cat. No.
40 x 25 pieces, in bags	15	12.5	Yes	17	100	PP	1000	7.697 050
Single packaging	15	12.5	Yes	17	100	PP	500	7.697 051
40 x 25 pieces, in bags	15	12.5	No	17	100	PP	1000	7.697 052
Single packaging	15	12.5	No	17	100	PP	500	7.697 053
40 x 25 pieces, in bags	15	12.5	Yes	17	100	PS	1000	7.697 055
Single packaging	15	12.5	Yes	17	100	PS	500	7.697 056
40 x 25 pieces, in bags	15	12.5	No	17	100	PS	1000	7.697 057
Single packaging	15	12.5	No	17	100	PS	500	7.697 058

PCR TUBES 0.2 ML, PP

The LABSOLUTE® PCR tubes offer optimum heat transfer between the thermal cycler and the reaction mix through their extra thin and uniform vessel walls. The tubes are compatible with all standard thermal cyclers.



- High-quality PP (metal-free)
- Free from DNase, RNase, human DNA, pyrogens and PCR inhibitors
- Autoclavable at 121 °C

Description	PK	Cat. No.
Flat caps	1000	7.696 502
Domed caps	1000	7.696 503



STRIPS OF 4/8 PCR TUBES, PP

The LABSOLUTE® strips of 4/8 PCR tubes offer optimum heat transfer between the thermal cycler and the reaction mix through their extra thin and uniform vessel walls.



- High quality transparent PP
- Free from DNase, RNase and human DNA
- Autoclavable at 121°C

Description	Capacity ml	PK	Cat. No.
Strips of 8 PCR tubes with flat caps	0.2	125	7.696 510
Strips of 8 PCR tubes with domed caps	0.2	125	7.696 511
Strips of 8 PCR tubes without caps	0.2	125	7.696 514
Strips of 8 PCR tubes with flat, attached caps	0.2	120	7.696 516
Strips of 8 PCR tubes with domed, attached caps	0.2	120	7.696 518



RACKS FOR PCR TUBES, 96 WELLS, PP

The autoclavable LABSOLUTE® racks made of PP are suitable both for 96 (Ø well 5.2 mm) single 0.2 ml tubes and for strips of PCR tubes. The individual positions are marked with figures and letters which implies organization of your samples. With or without lid - the decision is yours: the hinged lid can be completely removed.



- Available in different colours
- Dimensions (W x H x D): 130 x 33 x 98 mm

Colour	PK	Cat. No.
Blue, yellow, green, orange, pink	5	7.696 360
Blue	1	7.696 361
Green	1	7.696 362
Frosted	1	7.696 363



PETRIFILM® - FOR RAPID FOOD ANALYSIS

Petrifilm® is a ready-to-use and compact test method for efficient and reliable food analysis and the quantification of indicator organisms.



- Immediately ready for use without preparation
- Fast and accurate test results thanks to consistent and uniform test media
- Less space required for storage and incubation
- Less energy and water required than with conventional methods

Description	PK	Cat. No.
Bacillus cereus Count Plates	50	700006920
	500	700006921
Enterobacteriaceae Count Plates	50	700002275
	1000	700002273
Lactic Acid Bacteria Count Plates	50	700002228
	500	700002227
Rapid Aerobic Count Plates	50	700005496
	500	700005495
Rapid E. coli/Coliform Count Plates	50	700002281
	500	700002280
Rapid Yeast and Mold Count Plates	50	700002138
	500	700002148



CLEANROOM

OVERSHOE DISPENSER HYGOMAT COMFORT/CLEANROOM

franz
mensch

- No electrical power needed
- Easy to use, no need for bending over
- Easy and quick handling
- With handrail for extra comfort
- Capacity: two packs of overshoes
- With a window for easy control of rest capacity
- Refilled with overshoes within seconds
- Weight: 21 kg



COMFORT

Description	PK	Cat. No.
HYGOMAT COMFORT, 740 x 300 x 730 mm	1	6.257 283
HYGOMAT CLEANROOM, stainless steel, 740 x 300 x 730 mm	1	6.269 779

OVERSHOES FOR HYGOMAT

franz
mensch



6257285:

- Polypropylene nonwoven, CPE coated, white
- Waterproof sole
- Very slip resistant
- Perfect for a smooth surface

6257286:

- PP overshoe with CPE sole, blue
- Polypropylene nonwoven
- At the top nonwoven, and at the bottom strong waterproof CPE sole
- Very tearproof and slip-resistant

6257287:

- CPE (Cast Polyethylene), blue
- Strong quality, approx. 60 micron
- Light protection against liquids

6257288:

- Polypropylene nonwoven, blue
- At the bottom structure made of CPE
- Permeable to air and light slip-resistant
- For dry areas

Length	PK	Cat. No.
mm		
440	80	6.257 285
440	70	6.257 286
470	110	6.257 287
460	100	6.257 288

ADHESIVE MATS STICKY MAT

ERGOMAT



The Sticky Mat provides a fast, convenient, and reliable way to clean shoe soles or other items before entering a clean and sanitary area. Sticky Mats significantly reduce traffic-borne contaminants.

Ergomat White Sticky Mats are produced in a 46 x 114 cm sheet, sold in pads of 30 sheets, with 10 pads per box (300 sheets total).

Description	Colour	PK	Cat. No.
Frame for Cleanroom mats Sticky Mat	Grey	1	6.272 245
1 mat of 30 sheets	White	10	6.272 241
1 mat of 30 sheets	Blue	10	6.272 242
Set of 10 mats of 30 sheets + 1 frame	White	1	6.272 243
Set of 10 mats of 30 sheets + 1 frame	Blue	1	6.272 244

CLEANROOM WIPES SONTARA® MICROPURE, POLYESTER/CELLULOSE



Sontara® MicroPure nonwoven styles (wood pulp/polyester) are engineered for cleanroom use and combine the absorbency of a natural fibre with the cleanliness and strength of a synthetic fibre in the same fabric. No binders or chemical treatments are used to manufacture them. The high cleanliness and purity are ensured by low extractable level and ion content as well as extremely low particle generation by the material itself. The fabric styles offer high particle and liquid absorbency due to their cellulose content.

Type	Dimensions	Cleanroom Class	PK	Cat. No.
	mm			
MicroPure 100	305 x 305	ISO 5 + 6	150	9.390 185
MicroPure 100	224 x 224	ISO 5 + 6	300	9.390 186
MicroPure AP	305 x 305	ISO 6 - 9	150	9.390 187
MicroPure AP	224 x 224	ISO 6 - 9	300	9.390 188
MicroPure SV	305 x 305	ISO 7 - 9	250	9.390 189
MicroPure SV	224 x 224	ISO 7 - 9	500	9.390 190

DISPENSER UVEX ONE2CLICK AND WALL-MOUNTED DISPENSER

uvex one2click: easy-to-use and robust wall-mounted dispenser.

Wall-mounted dispenser: Plexiglas wall-mounted dispenser, suitable for uvex x-fit, uvex com4-fit, uvex one-fit, uvex xtra-fit, uvex hi-com, uvex whisper, uvex whisper+.

Earplugs are not included.



Description	PK	Cat. No.
uvex one2click dispenser	1	6.239 985
Wall-mounted dispenser	1	7.940 554

EARPLUGS, REFILL PACKS



The right solution for every auditory canal: Uvex ear protection plugs are available in sizes S, M and L. Their ergonomic shape offers a high wearing comfort. The soft PU foam adapts perfectly to the auditory canal, providing optimal protection.

Refill packs for uvex one2click dispenser or wall box dispenser.

Type	Size	For	PK	Cat. No.
com4-fit	S	Wall-mounted dispenser	200	9.005 028
com4-fit	S	uvex one2click	300	6.285 529
x-fit	M	Wall-mounted dispenser	200	6.233 602
x-fit	M	uvex one2click	300	6.268 846
xtra-fit	L	Wall-mounted dispenser	200	6.285 528
xtra-fit	L	uvex one2click	250	6.285 531
xact-fit	M	uvex one2click	400	6.285 530
x-fit	M	Wall-mounted dispenser	200	6.239 986

SAFETY SPECTACLES VISION

Ideal for spectacle wearers: LABSOLUTE® vision. These lightweight over spectacles are also impressive due to their reliable protection, unrestricted lateral view and user-friendly wearing comfort.

- Special coating guarantees extremely scratch-resistant and permanently fog-free viewing surfaces
- 100% UV protection
- Unrestricted side vision
- High wearing comfort and secure fit thanks to soft plastic at the temple ends
- Weight: 38 g

Description	PK	Cat. No.
Safety spectacles vision	1	7.696 002

HALF FACE MASK BARIMASK HF



- With one inhalation valve and two side exhalation valves
- Folding magnetic "Quick-Lock" buckle



BariMask HF with round thread connection Rd40. The innovative "Quick-Lock" connection of the neck strap makes it easy to put on the half-face mask and therefore quicker to use.

- Corresponds to standard EN 140:1998
- With round thread connection Rd 40 according to DIN EN 148-1
- One inhalation valve and two side exhalation valves
- Magnetic buckle on the neck strap
- Rolling straps with adjustable strap sliders
- Safe identification and documentation due to integrated RFID transponder

Type	PK	Cat. No.
Half face mask BariMask HF	1	6.523 581

SCREW-TYPE FILTERS FOR BARIMASK HF



The filters are tested and approved to EN143/EN 14387. Offer very low breathing resistance. Individually sealed in PE bags and packed in outer boxes.

Description	Type	PK	Cat. No.
Gas filter	A2	1	9.005 558
Gas filter	B2	1	9.005 559
Gas filter	K2	1	9.005 561
Gas filter	ABE2K1	1	9.005 563
Gas filter	AX	1	6.200 208
Particle filter	P3 R	5	6.289 581
Combined filter	AX P3 R D	1	6.227 097
Combined filter	A2 P3 R D	1	7.626 397



BOTTLES

BOTTLES PROTECT+ DURAN®, GL 45, WITH RETRACE CODE



Highly transparent. The coating provides scratch, leak and splinter protection and is ideally suited to both the transport and storage of hazardous media or valuable samples.

- Coating made of polyamide
- With dust cap
- Graduated
- UV protection up to approx. 380 nm
- DIN ISO 4796-1
- USP compliant

Nominal capacity ml	PK	Cat. No.
100	1	4.693 738
250	1	4.693 740
500	1	4.693 742
1000	1	4.693 744

SQUARE SHAPE BOTTLES, DURAN®, WITH RETRACE CODE



Thanks to its angular shape, the DURAN® square bottle fits particularly well and securely in the hand. You also save space and costs, whether in the autoclave, drying cabinet, oven, storage or dishwasher. With a screw cap and pouring ring. Maximum temperature: 140 °C.

- With Retrace code (Batch identification), Certificate available via the Internet
- Neutral glass/Type I glass acc. to USP/EP and JP

Capacity ml	Width mm	Height* mm	Neck thread GL	PK	Cat. No.
100	50	109	32	1	9.072 076
250	64	143	45	1	9.072 077
500	78	181	45	1	9.072 078
1000	94	222	45	1	9.072 079

*Height mm incl. cap

BOTTLE SYSTEM DURAN® YOUTILITY



- Specially shaped gripping zones on both sides of the bottle for easier and safer handling
- With the new YOUTILITY bottle thread opening or closing the bottle is significantly faster. The thread is fully compatible with DIN GL 45 closures and other accessories
- The slimmer YOUTILITY bottle shape allows more optimal use of limited space in autoclaves and laboratory refrigerators
- The YOUTILITY bottle has an integrated Retrace Code to allow full product traceability.
- Each DURAN® YOUTILITY bottle is supplied as a complete system, with a pouring ring (cyan polypropylene) and a GL 45 cap (cyan polypropylene)

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
125	55	124	4	9.071 679
250	66	158	4	9.071 678
500	78	193	4	9.071 677
1000	93	253	4	9.071 676

LABORATORY BOTTLES, CLEAR, WITH PP SCREW CAPS



Borosilicate 3.3. EN ISO 4796-1. With retrace code. Delivered including pouring ring and screw caps made from PP. Autoclavable at 121 °C.

Capacity ml	Ext. Ø mm	Height mm	Neck thread GL	PK	Cat. No.
50	46	88	32	10	7.690 060
100	56	100	45	10	7.690 045
250	70	138	45	10	7.690 046
500	86	176	45	10	7.690 047
1000	101	225	45	10	7.690 048
2000	136	260	45	10	7.690 049
5000	181	330	45	1	7.690 050
10000	227	410	45	1	7.690 051

Height without screw cap

VOLUMETRIC FLASKS, CLASS A, BOROSILICATE GLASS 3.3, BLUE GRADUATIONS, WITH GLASS STOPPERS



All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack.

- DIN EN ISO 1042
- DE-M marking
- Ring marks and inscriptions in highly contrasting blue enamel
- Calibrated to contain (IN)

Nominal capacity ml	Tolerance ± ml	Joint size (NS)	PK	Cat. No.
5	0.04	10/19*	1	7.018 535
10	0.04	10/19*	1	7.018 546
20	0.04	10/19	1	7.018 536
20	0.06	12/21*	1	6.238 693
25	0.04	10/19	1	7.018 537
25	0.06	12/21*	1	7.018 553
50	0.06	12/21	1	7.018 538
50	0.10	14/23*	1	7.018 549
100	0.10	12/21	1	7.018 539
100	0.10	14/23	1	7.018 550
200	0.15	14/23	1	7.018 540
250	0.15	14/23	1	7.018 541
500	0.25	19/26	1	7.018 542
1000	0.4	24/29	1	7.018 543
2000	0.6	29/32	1	7.018 544

*Wide mouth

VOLUMETRIC FLASKS FOR DETERMINATION OF OIL CONTENT, SILBERBRAND, BOROSILICATE GLASS 3.3



DIN 51 368. For determination of oil content in aqueous oil emulsions (e.g. drilling oil). With NS19/26, hollow glass stoppers. Graduations and inscriptions in highly contrasting white enamel. Capacity 100 ml, tolerance ± 0.2 ml. Calibrated to contain (IN).

Subdivisions: 0 to 5 ml: 0.1 ml, tolerance: ± 0.1 ml.
Subdivisions: 5 to 30 ml: 0.5 ml, tolerance: ± 0.5 ml.

Sample volume ml	PK	Cat. No.
100	1	9.276 880

VOLUMETRIC FLASKS, CLASS A, WITH HOLLOW GLASS STOPPER, BLUE GRADUATION



Made from borosilicate glass 3.3. Clear glass. With standard ground joint and hollow glass stopper. Calibrated to "In" (20 °C). Comply with DIN EN ISO 1042. A batch-specific certificate of conformity is available on request.

With the exception of items 7691100, 7691102, 7691106, 7691109 & 7691110, the volumetric flasks have a scribed ring mark.

Capacity ml	Joint size NS	Tolerance ± ml	PK	Cat. No.
5	10/19	0.040	1	7.691 100
10	10/19	0.040	1	7.691 101
20	10/19	0.040	1	7.691 102
25	10/19	0.040	1	7.691 103
50	14/23	0.100	1	7.691 104
100	14/23	0.100	1	7.691 105
200	14/23	0.150	1	7.691 106
250	14/23	0.150	1	7.691 107
500	19/26	0.250	1	7.691 108
1000	24/29	0.400	1	7.691 109
2000	29/32	0.600	1	7.691 110

MEASURING CYLINDERS, HIGH FORM, CLASS B, PP



According to DIN 12681 & ISO 6706. Calibrated to "In" (20 °C). Stable hexagonal base. Embossed scale. Functional spout.

Capacity ml	Grad. ml	Tolerance ± ml	Height mm	PK	Cat. No.
10	0.2	0.2	147	1	7.693 100
25	0.5	0.5	170	1	7.693 101
50	1	1	200	1	7.693 102
100	1	1	250	1	7.693 103
250	2	2	327	1	7.693 104
500	5	5	389	1	7.693 105
1000	10	10	458	1	7.693 106
2000	20	20	534	1	7.693 107

LIQUID HANDLING

BOTTLE TOP DISPENSER WITH RECIRCULATION VALVE



LABSOLUTE®

The bottle top dispenser with recirculation valve enables consistent, precise and reliable bubble-free dispensing without loss of reagent. The specially developed bottle adapter allows the dispenser to be rotated 360° on the mounted bottle.

Volume range ml	Grad. ml	Accuracy max. vol. ≤? ± R%	Precision max. vol. ≤? ± CV%	PK	Cat. No.
1 - 10	0.20	0.6	0.2	1	7.695 582
2.5 - 25	0.50	0.6	0.2	1	7.695 583
5 - 50	1.00	0.6	0.2	1	7.695 584
10 - 100	2.00	0.6	0.2	1	7.695 585

ATMOS - PIPETTE ACCURACY TESTER



Microtitre pipettes must be checked at regular intervals to ensure that they still meet the required accuracy standards. The check requires very careful but complex and time-consuming weighing with an analytical balance. With the Atmos accuracy tester, a simple, daily check is possible. This ensures continuous performance monitoring and also saves time and money.

Number of channels	PK	Cat. No.
1	1	7.681 979
8	1	7.682 488

REAGENT RESERVOIRS, PS



LABSOLUTE®

White. Non-sterile. Graduated inside walls. Very stable because of thicker walls. Useful spouts for a safe fluid transfer. Bottom with a narrow trough to aid full sample recovery.

Capacity ml	Dimensions W x H x D mm	PK	Cat. No.
55	140 x 24 x 61	100	7.695 725
100	143 x 32 x 83	100	7.695 726

BOTTLE TOP BURETTE TITRETTE®

BRAND

For fast and reliable titration with maximum precision, even where space is limited and independent of a power supply - in the laboratory, in production or on the move. Important for all users who want to work within the error limit of class A according to DIN EN ISO 385, as with glass burettes (e.g. in the pharmaceutical industry). If required, accurate up to 20 ml to 3 decimal places.

- High accuracy
- Smooth-running operation for sensitive, drop-wise titration and fast filling of the device
- Compact design
- Light and stable, easy handling
- No switching between fill and titrate
- Simple maintenance
- Cleaning and parts replacement right in the lab

Items supplied: Titrette® bottle-top burette, DE-M marking, performance certificate, telescoping filling tube (170 to 330 mm), recirculation tube, 2 x 1.5 V batteries (AAA/UM4/LR03), 4 x PP bottle adapters (GL45/32, GL 45/38, GL 45/S40 and GL32/NS 29/32), 2 coloured light shield inspection windows, operating manual



Volume ml	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	Interface	PK	Cat. No.
25	0.07	0.025	without	1	9.271 332
50	0.06	0.02	without	1	9.271 333
10	0.10	0.05	incl.	1	9.271 338
25	0.07	0.025	incl.	1	9.271 334
50	0.06	0.02	incl.	1	9.271 335

FILTER TIPS REFILL SYSTEM, STERILE

NEW



LABSOLUTE®



The sustainable LABSOLUTE® refill system for sterile filter tips can be replaced in one easy step. The carrier plates are individually sterile-packed and the different colours allow the volume to be directly identified.

The filter tip refill system is suitable for the LABSOLUTE® pipette tip boxes.

Volume range µl	Overall length mm	Grad. µl	PK	Cat. No.
0,1 - 10	34	2,5, 10	960	7.696 010
0,1 - 10 XL/20	44	1, 5, 10, 20	960	7.696 011
2 - 200	55	10, 50, 100, 200	960	7.696 012
20 - 300	55	50, 100, 200	960	7.696 013
100 - 1000	75	-	960	7.696 014

VOLUMETRIC PIPETTES, CLASS AS, 1 MARK, AMBER GRADUATION



DIN EN ISO 648. Made from soda-lime glass. 1 mark. With batch identification. Calibrated to "Ex" (+5 seconds). Class AS. Labelling in brown colour. A batch-specific certificate of conformity is available on request. 3, 4 and 15 ml in addition to DIN EN ISO 648.

Volume	Length	Colour code	PK	Cat. No.
ml	mm			
1	350	Blue	6	7.691 040
2	330	Orange	6	7.691 041
3	360	Black	6	7.691 042
4	360	Red stripes	6	7.691 048
5	400	White	6	7.691 043
10	440	Red	6	7.691 044
15	455	Green	3	7.691 049
20	510	Yellow	3	7.691 045
25	520	Blue	3	7.691 046
50	540	Red	3	7.691 047
100	585	Yellow	3	7.691 057

GRADUATED PIPETTES, CLASS AS, TYPE 3, AMBER GRADUATION

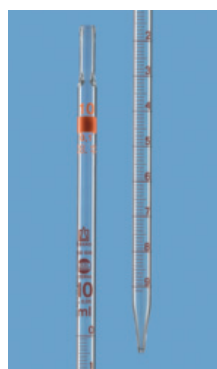


DIN EN ISO 835. Made from soda-lime glass. Type 3. With batch identification. Calibrated to "Ex" (+5 seconds). Class AS. Labelling in brown colour. A batch-specific certificate of conformity is available on request.

Capacity	Length	Colour code	Graduation	PK	Cat. No.
ml	mm		ml		
1	360	Yellow	0.01	6	7.691 050
2	360	Black	0.02	6	7.691 051
5	360	Red	0.05	6	7.691 052
10	360	Orange	0.10	6	7.691 053
20	450	Yellow stripes	0.10	3	7.691 054
25	450	White	0.10	3	7.691 055
50	450	Black	0.20	3	7.691 056

Length ±10 mm

GRADUATED PIPETTES, AR-GLASS®, CLASS AS, AMBER GRADUATIONS, TYPE 3



BLAUBRAND® ETERNA, DE-M marking, AR-glass®. DIN EN ISO 835. Type 3 (Zero point at the top), total delivery. Calibrated to deliver (TD, Ex). Waiting time 5 seconds. Ring mark and inscription in ETERNA amber stain.

All BLAUBRAND® graduated pipettes are supplied with a batch number and an accompanying batch certificate in the original packaging.



Volume	Graduations	Tolerance	Suitable for cotton plugs	PK	Cat. No.
ml	ml	± ml			
0.5	0.01	0.006	-	1	9.272 031
1	0.01	0.007	-	1	9.272 032
1	0.01	0.007	+	1	7.018 397
2	0.02	0.010	-	1	9.272 033
2	0.02	0.010	+	1	7.018 398
5	0.05	0.030	+	1	7.060 678
5	0.1	0.030	+	1	9.272 034
10	0.1	0.05	+	1	9.272 036
20	0.1	0.10	+	1	7.018 413
25	0.1	0.10	+	1	9.272 037

PIPETTE CONTROLLER ACCU-JET® S



- Precise volume adjustment
- Integrated rest position



For precise pipetting of large and small volumes. The adjustable motor speed allows to switch between free flow and rapid blow-out of the liquid.

- One-hand operation
- For glass and plastic pipettes from 0.1 to 200 ml
- Precise volume setting
- Integrated rest position
- Valve system for exhaust liquid vapours
- Membrane filter and safety valve to protect against fluid penetration
- Robust, powerful motor for fast filling times (25 ml in 3 seconds)
- 8 hours of continuous pipetting with a 10 ml pipette without recharging
- Two-colour battery charge indicator
- Service-friendly and sustainable

Environmental benefits:

Sustainable packaging: Cardboard with approx 90% recycled content
Renewable energy: Production using 100% eco-friendly energy from certified hydro-electric power plants and energy generated on the premises as surplus from a cogeneration unit

Scope of supply:

Pipette controller accu-jet® S, nickel-metal hydride battery, universal adapter (100 - 240 V, 50/60 Hz), with adapters for UK/EU/AUS/US, wall support, 2 sterile spare membrane filters (0.2 µm)

Colour	Description	PK	Cat. No.
Anthracite	With universal AC adapter	1	4.682 331
Berry	With universal AC adapter	1	4.682 332
Petrol	With universal AC adapter	1	4.682 333
Amethyst	With universal AC adapter	1	4.682 334
Anthracite	Without universal AC adapter	1	9.281 073
Berry	Without universal AC adapter	1	9.281 070
Petrol	Without universal AC adapter	1	9.281 071
Amethyst	Without universal AC adapter	1	9.281 072

PASTEUR PIPETTES, LDPE



LABSOLUTE® pasteur pipettes are made of transparent LDPE and are suitable for food testing. Sterile also available in environmentally friendly blister with 10 pasteur pipettes.

Capacity	Length	Grad.	PK	Cat. No.
ml	mm	ml		
1	154	0.25	500	7.691 200
3	154	0.5	500	7.691 202
10	170	-	200	7.691 204
10	300	-	100	7.691 205



PIPETMAN®



Recognised as the pipetting standard for reliability and proven durability, the PIPETMAN® is a fully adjustable air-displacement pipette that uses disposable tips. The PIPETMAN combines legendary accuracy, precision and durability with easy pipetting and simple handling. PIPETMAN pipettes are available in a wide volume range with reduced pipetting forces and allow hours of comfortable pipetting.

Eight single-channel models cover a volume range from 0.2 µl to 10 ml and eight multi-channel models cover a volume range from 1 µl to 300 µl.

- The accurate and precise PIPETMAN air displacement pipettes are recognised as one of the global standards. They are available in a wide range of dispensing volumes (both single and multichannel models) so you can safely handle various sample types.
- Made of PVDF and stainless steel, the PIPETMAN is durable and long-lasting, making it an economical solution for years of pipetting.
- The PIPETMAN has the same properties as the PIPETMAN® Classic, but with reduced forces, for easy and comfortable pipetting.

PIPETMAN®

Capacity µl	PK	Cat. No.
0,2 - 2	1	7.640 481
1 - 10	1	7.640 482
2 - 20	1	7.640 483
10 - 100	1	7.640 484
20 - 200	1	7.640 485
100 - 1000	1	7.640 486
500 - 5000*	1	7.640 487
1000 - 10000*	1	7.640 488

*Model does not include tip ejector

PIPETMAN® MULTICHANNEL

Capacity µl	PK	Cat. No.
1 - 10, eight-channel	1	7.678 591
2 - 20, eight-channel	1	7.664 911
20 - 200, eight-channel	1	7.664 912
30 - 300, eight-channel	1	7.678 592
1 - 10, twelve-channel	1	7.677 118
2 - 20, twelve-channel	1	7.664 913
20 - 200, twelve-channel	1	7.664 914
30 - 300, twelve-channel	1	7.677 119

PIPETMAN® DIAMOND® TIPS - ECOPACK™



The economical way to order tips. Each box contains 10.000 tips (10 bags of 1000 tips). Bulk Packs are sealed with a tamper-proof strip which can easily be opened for quick access to Gilson's DIAMOND® Tips. Bulk Packs are closed using the rapid-sealing strip to prevent contamination and loss of tips.

Description	Capacity µl	PK	Cat. No.
ECOPACK D10	0,1 - 10	10000	7.640 164
ECOPACK DL10*	0,1 - 20	10000	7.640 165
ECOPACK D200	2 - 200	10000	7.640 166
ECOPACK D300	20 - 300	10000	7.640 167
ECOPACK D1000	100 - 1000	10000	7.640 168
ECOPACK D1200	100 - 1200	10000	7.640 465

* DL10 tips (46 mm) are longer than D10 tips (31.2 mm)

PIPETMAN® DIAMOND® TIPS - EASYPACK™



Each box contains 1000 tips (5 bags of 200 tips) - except for D10 mL (4 bags of 50 tips) and D5000 (3 bags of 334 tips). Bulk packs are sealed with a zipper lock which can easily be opened for quick access to Gilson's DIAMOND® Tips and closed using the rapid-sealing strip to prevent contamination and loss of tips.

Description	Capacity µl	PK	Cat. No.
EASYPACK D10	0.1 - 10	1000	7.640 169
EASYPACK DL10*	0.1 - 20	1000	7.640 170
EASYPACK D200	2 - 200	1000	7.640 171
EASYPACK D300	20 - 300	1000	7.640 172
EASYPACK D1000	100 - 1000	1000	7.640 173
EASYPACK D1200	100 - 1200	1000	7.640 466
EASYPACK D5000	1000 - 5000	1000	7.640 174
EASYPACK D10mL	1000 - 10000	200	7.640 175




























* DL10 tips (46 mm) are longer than D10 tips (31.2 mm)

ATRASOL® SOLVENTS FOR TRACE ANALYSIS

ATRASOL® solvents are produced according to a rigorous and controlled GC process. High purity, guaranteed absence of extraneous peaks in gas chromatographic determinations and guaranteed reproducibility and repeatability of results are the main features of this product line.


ATRASOL® SOLVENTS FOR ANALYSING VOLATILE COMPOUNDS

Special price

Description	GHS	Packaging	PK	Cat. No.
Acetone	  1)	Glass bottle	1 l	P0053216
			2.5 l	P0053221
			4 l	P0053282
Chloroform, stab. with ethanol	  2)	Glass bottle	1 l	P02432E16
			2.5 l	P02432E21
Dichloromethan, stab. with amylene	  3)	Glass bottle	1 l	P02932A16
			2.5 l	P02932A21
			4 l	P02932A82
Dichloromethan, stab. with ethanol	  3)	Glass bottle	1 l	P02932E16
			2.5 l	P02932E21
Dimethylsulfoxid		Glass bottle	1 l	P0353216
			2.5 l	P0353221
Ethyl acetate	  4)	Glass bottle	1 l	P0023216
			2.5 l	P0023221
Methanol	   5)	Glass bottle	1 l	P0933216
			2.5 l	P0933221
N,N-Dimethylformamid	   6)	Glass bottle	1 l	P0343216
			2.5 l	P0343221
n-Hexane 99%	    7)	Glass bottle	1 l	P052323016
			2.5 l	P052323021
n-Pentane 99%	    7)	Glass bottle	1 l	P064323016
			2.5 l	P064323021
Toluene	   8)	Glass bottle	1 l	P0713216
			2.5 l	P0713221
			4 l	P0713282

ATRASOL® SOLVENTS FOR TRACE ANALYSIS, SUITABLE FOR THE DETERMINATION OF THE HYDROCARBON INDEX ACCORDING TO EN ISO 9377-2

Special price

Description	GHS	Packaging	PK	Cat. No.
Isohexane	    9)	Glass bottle	1 l	P6263216
			2.5 l	P6263221
n-Hexane	    7)	Glass bottle	1 l	P0523216
			2.5 l	P0523221
n-Pentane	    10)	Glass bottle	1 l	P0643216
			2.5 l	P0643221
Petrolether 35 - 60 °C	    10)	Glass bottle	1 l	P0883216
			2.5 l	P0883221

¹⁾ **Danger** H225 H319 H336

⁴⁾ **Danger** H225 H319 H336 EUH066

⁷⁾ **Danger** H225 H315 H361f H336 H373 H304 H411

¹⁰⁾ **Danger** H225 H336 H304 H411 EUH066

²⁾ **Danger** H302 H331 H315 H319 H351 H361d H372

⁵⁾ **Danger** H225 H301+H311+H331 H370

⁸⁾ **Danger** H225 H315 H361d H336 H373 H304

³⁾ **Warning** H315 H319 H351 H335 H336 H373

















⁶⁾ **Danger** H226 H312 H332 H319 H360D

⁹⁾ **Danger** H225 H315 H336 H304 H411

GAS CHROMATOGRAPHY:
RESIDUE GRADE FOR PESTICIDE AND RESIDUE ANALYSIS

The high purity solvents from CHEMSOLUTE® have been specially developed for demanding pesticide and residue analyses using gas chromatography.

- Increased sensitivity: Enables the detection of even the smallest concentrations with the highest precision.
- Reproducible results: Consistency across batches for reliable and comparable analyses.
- Longevity of the GC column: Guaranteed free of impurities that pollute the column.

				Special price
Description	GHS	Packaging	PK	Cat. No.
Acetone (min. 99,8 %)		Glass bottle	1 l	2661.1000
			2.5 l	2661.2500
			4 l	2661.4000
Chloroform (min. 99.9 %, stab. with ethanol)		Glass bottle	2.5 l	2478.2500
Cyclohexane (min. 99,8 %)		Glass bottle	2.5 l	2429.2500
Dichloromethan (min. 99.9 %, stab. with amylene)		Glass bottle	2.5 l	2333.2500
Dichloromethan (min. 99.9 %, stab. with ethanol)		Glass bottle	2.5 l	2311.2500
Ethyl acetate (min. 99,8 %)		Glass bottle	1 l	2219.1000
			2.5 l	2219.2500
n-Heptane (min. 99,0 %)		Glass bottle	2.5 l	1907.2500
n-Hexane (min. 95,0 %)		Glass bottle	1 l	1973.1000
			2.5 l	1973.2500
			4 l	1973.4000
Isohexane (min. 99,0 %)		Glass bottle	2.5 l	1834.2500
Isooctane (min. 99,5 %)		Glass bottle	2.5 l	1802.2500
Methanol (min. 99,90 %)		Glass bottle	1 l	1448.1000
			2.5 l	1448.2500
Mixture Ethyl acetate/Cyclohexane 1 : 1 (v/v)		Glass bottle	2.5 l	697.2500
n-Pentane (min. 95,0 %)		Glass bottle	2.5 l	6550.2500
Petroleumbenzene (boiling range 35 – 60 °C)		Glass bottle	2.5 l	1152.2500
Petroleumbenzene (boiling range 40 – 65 °C)		Glass bottle	2.5 l	1145.2500
Toluene (min. 99,8 %)		Glass bottle	2.5 l	715.2500

¹⁾ **Danger** H225 H319 H336

²⁾ **Danger** H302 H331H315 H319 H351 H361d H372

³⁾ **Danger** H225 H304 H315 H336 H410

⁴⁾ **Warning** H351

⁵⁾ **Danger** H225 H319 H336 EUH066

⁶⁾ **Warning** H225 H304 H315 H336 H361 H373 H411


⁷⁾ **Danger** H225 H315 H336 H304 H411

⁸⁾ **Danger** H225 H301 H311 H331 H370

⁹⁾ **Danger** H225 H304 H315 H319 H336 H410 EUH066

¹⁰⁾ **Danger** H225 H315 H361f H373 H304 H411 EUH066

¹¹⁾ **Danger** H225 H304 H315 H336 H361d H373



Tip: In our LABSOLUTE® range you will find a large selection of vials & caps for GC, as well as syringe filters and disposable syringes for your sample preparation..

CHROMATOGRAPHY

PanReac AppliChem offers you a wide range of high-quality chemicals for chromatography.

Special price

Description	GHS	PK	Cat. No.
Ammonium Acetate for analysis, ACS		1 kg	131114.1211
		5 kg	131114.0914
Formic Acid 98% for analysis, ACS	   1)	2,5 l	131030.1612
1-Heptane Sulfonic Acid Sodium Salt 1-hydrate for HPLC		25 g	367128.1606
2-Propanol for HPLC	  2)	2.5 l	361090.1612
2-Propanol for HPLC gradient / UHPLC supergradient grade	  2)	2.5 l	221090.1612
Acetonitrile for HPLC gradient / UHPLC supergradient grade, ACS	  3)	4 l	221881.16153
		5 l	221881.0314
Acetonitrile for LC-MS	  3)	4 l	701881.16153
Acetonitrile for UV, IR, HPLC, ACS	  3)	2.5 l	361881.1612
Cyclohexane for UV, IR, HPLC, ACS	    4)	2.5 l	361250.1612
Dichloromethane, stab. with amylene for UV, IR, HPLC, GPC, ACS	 5)	2.5 l	361254.1612
Ethanol absolute for HPLC gradient	  6)	2.5 l	221086.1612
Ethanol absolute for UV, IR, HPLC	  6)	2.5 l	361086.1612
Isooctane for UV, IR, HPLC, ACS	    4)	2.5 l	362064.1612
Methanol for HPLC gradient / UHPLC supergradient grade, ACS	   7)	2.5 l	221091.1612
Methanol for LC-MS	   7)	2.5 l	701091.1612
		4 l	701091.16153
Methanol for UV, IR, HPLC, ACS	   7)	2.5 l	361091.1612
n-Heptane for UV, IR, HPLC	    8)	2.5 l	362062.1612
n-Hexane 95% for UV, IR, HPLC, ACS	    9)	2.5 l	363242.1612
n-Hexane for UV, IR, HPLC	    9)	2.5 l	362063.1612
Propionitrile for UV, HPLC	   10)	1 l	365732.1611
Tetrabutylammonium Hydrogen Sulphate for HPLC	   11)	25 g	363622.1606
Tetrahydrofuran for UV, IR, HPLC, GPC		2.5 l	361736.1612
Water for HPLC gradient / UHPLC supergradient grade		2.5 l	221074.1612
		2.5 l	701074.1612
Water for LC-MS		4 l	701074.16153
		2.5 l	361074.1612
Water for UV, HPLC, ACS		1 l	131074.1211
		5 l	131074.1214
		10 l	131074.1315
		25 l	131074.0716
Water for analysis, ACS			

¹⁾ **Danger** H226 H302 H331 H314

²⁾ **Danger** H225 H319 H336

³⁾ **Danger** H225 H302+H312+H332 H319

⁴⁾ **Danger** H225 H304 H315 H336 H400 H410

⁵⁾ **Warning** H351

⁶⁾ **Warning** H225 H319

⁷⁾ **Danger** H225 H301 H311 H331 H370

⁸⁾ **Danger** H225 H304 H315 H336 H410

⁹⁾ **Danger** H225 H304 H315 H336 H361f H373 H411

¹⁰⁾ **Danger** H225 H300 H310 H319 H332

¹¹⁾ **Danger** H225 H302 H319 H351 H335

























Chemicals for gas chromatography from PanReac AppliChem can be found in our webshop at attractive prices.

CHEMICALS FOR ANALYSIS

In order to obtain reliable and reproducible analysis results, suitable chemicals must be used: CHEMSOLUTE® offers a wide range of acids, alkalis, salts and solvents for analysis.

BASES AND HYDROXIDES P. A.

Special price

Description	GHS	Packaging	PK	Cat. No.
Ammonia solution 25 % p. a., ISO, Ph. Eur. (250 g NH ₃ /kg)	   ¹⁾	Plastic bottle	1 l	2672.1011
			2.5 l	2672.2511
		Plastic canister	5 l	2672.5000
			25 l	2672.9025
Ammonia solution 27.5 % p. a., ISO, Ph. Eur. (275 g NH ₃ /kg)	   ¹⁾	Plastic bottle	5 l	2679.5000
Ammonia solution 30 – 33 % p. a., ACS, Ph. Eur. (300 – 330 g NH ₃ /kg)	   ¹⁾	Plastic bottle	2.5 l	2683.2500
Barium hydroxide octahydrate p. a., ISO, Ph. Eur. (min. 98.0 %)	  ²⁾	Plastic bottle	1 kg	2502.1000
Calcium hydroxide p. a., ACS, Ph. Eur. (min. 96.0 %)	  ³⁾	Plastic bottle	1 kg	2495.1000
Potassium hydroxide pellets puriss., DAB, Ph. Eur., BP, NF (min. 85.0 %)	  ⁴⁾	Plastic bottle	1 kg	1655.1000
			5 kg	1655.5000
Potassium hydroxide pellets p. a., Ph. Eur., ISO (min. 85.0 %)	  ⁴⁾	Plastic bottle	1 kg	1681.1000
			5 kg	1681.5000
Lithium hydroxide monohydrate p. a. (min. 98.0 %)	  ⁵⁾	Plastic bottle	1 kg	1544.1000
Sodium hydroxide pharm. pure, Ph. Eur., acc. EN 896 (flakes, min. 98.0 %)	 ⁶⁾	Plastic bottle	1 kg	1314.1000
			5 kg	1314.5000
Sodium hydroxide p. a. (mikrogranules, min. 99.0 %)	 ⁶⁾	Plastic bottle	1 kg	6321.1000
			5 kg	6321.5000
Sodium hydroxide solution 25 % w/w p. a., suitable for N-determination acc. to Kjeldahl	 ⁷⁾	Plastic bottle	25 l	1391.9025
		Plastic bottle	1 l	1304.1011
			2.5 l	1304.2511
			5 l	1304.5000
		Plastic canister	10 l	1304.9010
			20 l	1304.9020
			25 l	1304.9025

¹⁾ **Danger** H314 H335 H400

⁴⁾ **Danger** H290 H302 H314

⁷⁾ **Warning** H314 H290

²⁾ **Danger** H302+H332 H314

⁵⁾ **Danger** H301 H314




























³⁾ **Danger** H315 H318 H335

⁶⁾ **Warning** H290 H314



ACIDS P. A.

Special price

Description	GHS	Packaging	PK	Cat. No.
Formic acid 99 - 100 % p. a., ACS, Ph. Eur. (min. 99.0 %)	   1)	Plastic bottle	1 l	2694.1011
Boric acid p. a., ACS, ISO, Ph. Eur. (min. 99.8 %)	 2)	Plastic bottle	1 kg	2563.1000
		Plastic bottle	2.5 kg	2563.2500
Citric acide monohydrate p. a., ACS, ISO, Ph. Eur. (min. 99.5 %)	 3)	Plastic bottle	1 kg	2432.1000
Acetic acid p. a., ACS, ISO, Ph. Eur. (min. 96.0 %)	  4)	Glass bottle	2.5 l	2296.2500
Acetic acid (glacial) p. a., Reag. Ph. Eur., Reag. USP (min. 99.8 %)	  4)	Glass bottle	1 l	2290.1000
		Glass bottle	2.5 l	2290.2500
Hydrofluoric acid p. a., ISO, Reag. Ph. Eur. (min. 40.0 %)	  5)	Plastic bottle	1 l	2182.1011
		Plastic bottle	2.5 l	2182.2511
Hydrofluoric acid p. a., ACS, ISO (min. 48.0 %)	  5)	Plastic bottle	1 l	2183.1011
		Plastic bottle	2.5 l	2183.2511
ortho-Phosphoric acid p. a., Ph. Eur. (min. 84.0 %)	 6)	Glass bottle	1 l	1156.1000
		Glass bottle	2.5 l	1156.2500
Periodic acid p. a. (min. 99.0 %)	  7)	Glass bottle	25 g	1107.0025
		Glass bottle	100 g	1107.0100
Nitric acid p. a. (min. 65.0 %)	  8)	Glass bottle	2.5 l	865.2500
		Plastic bottle	2.5 l	865.2511
		Plastic bottle	1 l	892.1011
Hydrochloric acid p. a., Ph. Eur., USP (min. 25.0 %)	  9)	Plastic bottle	2.5 l	892.2511
		Glass bottle	2.5 l	892.2500
		Glass bottle	1 l	871.1000
Hydrochloric acid p. a., ISO, Ph. Eur. (min. 32.0 %)	  9)	Glass bottle	2.5 l	871.2500
		Plastic bottle	2.5 l	871.2511
		Glass bottle	1 l	836.1000
Hydrochloric acid p. a. (min. 37.0 %)	  9)	Glass bottle	2.5 l	836.2500
		Plastic bottle	2.5 l	836.2511
		Plastic bottle	1 l	884.1011
Sulphuric acid p. a., FCC (min. 25.0 %)	 10)	Plastic bottle	1 l	884.1011
Sulphuric acid p. a. (min. 95.0 %)	 10)	Glass bottle	1 l	859.1000
		Glass bottle	2.5 l	859.2500
Sulphuric acid p. a., ISO, Reag. Ph. Eur. (min. 95 %), suitable for N-determination acc. to Kjeldahl	 10)	Plastic bottle	2.5 l	890.2511
Sulphuric acid p. a. (min. 97.0 %), suitable for N-determination acc. to Kjeldahl	 10)	Glass bottle	2.5 l	822.2500
		Plastic bottle	2.5 l	822.2511
Trichloroacetic acid p. a., ACS, Reag. Ph. Eur., Reag. USP (min. 99.0 %)	   11)	Plastic bottle	250 ml	730.0250
		Plastic bottle	1 l	730.1000

1) **Danger** H226 H302 H331 H314 EUH071

4) **Danger** H226 H314

7) **Warning** H272 H314

10) **Danger** H290 H314

2) **Danger** H360FD

5) **Danger** H300+H310+H330 H314

8) **Danger** H272 H290 H331 H314

11) **Danger** H314 H335 H410

3) **Warning** H319 H335

6) **Warning** H314

9) **Danger** H290 H314 H335












Benefit from our selection of container sizes - now online at favourable conditions.

HIGH-PURITY ACIDS AND BASES FOR TRACE ANALYSIS

The high-purity inorganic acids and bases from CHEMSOLUTE® are used in trace analysis for sample preparation using wet digestion. In atomic absorption spectrometry (AAS) and inductively coupled plasma optical emission spectrometry (ICP-OES), the acids of the CHEMSOLUTE® superpur series with impurities in the ppb range are mostly used. The acids of the CHEMSOLUTE® ultrapure series with impurities in the ppt range are mainly used in inductively coupled plasma mass spectrometry (ICP-MS).






ACIDS, BASES AND WATER SUPERPUR

Special price

Description	GHS	Packaging	PK	Cat. No.
Ammonia solution superpur (25 % w/w)	 1)	Plastic bottle	250 ml	2671.0251
			500 ml	2671.0511
			1 l	2671.1011
Acetic acid (glacial) superpur (min. 99.0 %)	 2)	Plastic bottle	1 l	2272.1011
Hydrofluoric acid superpur (38.0 - 40.5 % w/w)	 3)	Plastic bottle	500 ml	2180.0500
			1 l	2180.1000
Nitric acid superpur (67.0 - 69.0 % w/w)	 4)	Plastic bottle	1 l	838.1011
			2.5 l	838.2500
Hydrochloric acid superpur (29.0 - 31.0 % w/w)	 5)	Plastic bottle	1 l	870.1011
			2.5 l	870.2511
Hydrochloric acid superpur (34.0 - 37.0 % w/w)	 5)	Plastic bottle	1 l	857.1011
			2.5 l	857.2511
Hydrochloric acid superpur (low Hg) (min. 37 %)	 5)	Plastic bottle	2.5 l	853.2500
Hydrochloric acid superpur 37 ppm grade (min. 36.5 %)	 5)	Plastic bottle	2.5 l	868.2511
Sulphuric acid superpur (93.0 - 98.0 % w/w)	 6)	Plastic bottle	1 l	863.1011
Water superpur		Plastic canister	5 l	405.5000

ACIDS, BASES AND WATER ULTRAPUR

Special price

Description	GHS	Packaging	PK	Cat. No.
Hydrofluoric acid ultrapur (47.0 - 51.0 % w/w)	 3)	Plastic bottle	500 ml	2181.0511
Nitric acid ultrapur (67.0 - 69.0 % w/w)	 4)	Plastic bottle	500 ml	837.0511
			1 l	837.1011
Hydrochloric acid ultrapur (32.0 - 35.0 % w/w)	 5)	Plastic bottle	500 ml	873.0511
Sulphuric acid ultrapur (93.0 - 98.0 % w/w)	 6)	Plastic bottle	500 ml	858.0511
Water ultrapur		Plastic bottle	1 l	406.1011
Hydrogen peroxide ultrapur (30 - 32 % w/w)	 7)	Plastic bottle	500 ml	460.0511

1) Danger H314 H335 H400

4) Danger H272 H290 H331 H314

7) Warning H302 H318

2) Danger H226 H314

5) Danger H290 H314 H335

3) Danger H300+H310+H330 H314

6) Warning Danger H290 H314



The right container size or chemical isn't available? We have the perfect solution for that too: CHEMSOLUTE® Customised Solutions. We'll be happy to advise you.

CHEMSOLUTE® TEST STRIPS

CHEMSOLUTE® test strips are ideal for determining water hardness, for the semi-quantitative detection of ions and acids and for cleaning control.

- Fast and reliable detection
- Simply dip in, compare - done



Special price

Description	Range	Main use	Cat. No.
Ascorbinic acid 2000 – test strips*	0–50–100–200–300–500–700–1000–2000 mg/l	Beverages	2920.0001
NEW Chlorine 20 – test strips*	0–0.5–1–3–5–10–20 mg/l	Cleaning control	2970.0001
NEW Chlorine 1000 – test strips*	0–50–100–250–500–1000 mg/l	Cleaning control	2971.0001
Total hardness – test strips*	3–4–7–14–21 °dH	Water analytics	2915.0001
Combi test strips 3 in 1 (pH, chlorine, alkalinity)**	pH 6.4–6.8–7.2–7.6–8.4, Chlor 0–0.5–1–3–5–10 mg/l, Alkalinität 0–80–120–180–240 mg/l CaCO ₃	Water analytics	3090.0001
Combi test strips 5 in 1 (pH, free – and total chlorine, alkalinity, total hardness)**	Gesamthärte 0–100–250–500–1000 mg/l CaCO ₃ , freies Chlor 0–0.5–1–3–5–10 mg/l Cl ₂ , Gesamtchlor 0–1–3–5–10 mg/l Cl ₂ , Alkalinität 0–1–3–5–10 mg/l CaCO ₃ , pH 6.4–6.8–7.2–7.6–8.4	Water analytics	3091.0001
Nitrate 500 – test strips*	0–10–25–50–100–250–500mg/l	Water analytics	2935.0001
Nitrite 25 – test strips*	0–0.5–1–5–10–25 mg/l	Water analytics	2925.0001
Nitrite 80 – test strips*	0–2–5–10–20–40–80 mg/l	Water analytics	2930.0001
NEW Peracetic acid 50 – test strips*	0–5–10–20–30–50 mg/l	Cleaning control	2945.0001
NEW Peracetic acid 500 – test strips*	0–100–150–200–250–300–400–500 mg/l	Cleaning control	2946.0001
NEW Peracetic acid 2000 – test strips*	0–500–1000–1500–2000 mg/l	Cleaning control	2947.0001
Peroxide 25 – test strips*	0–0.5–2–5–10–25 mg/l	Cleaning control	2940.0001
Peroxide 100 – test strips*	0–1–3–10–30–100 mg/l	Cleaning control	2955.0001
NEW Peroxide 1000 – test strips*	0–100–200–400–600–800–1000 mg/l	Cleaning control	2941.0001
Phosphate 500 – test strips*	0–3–10–25–50–100–150–500 mg/l	Water analytics	2950.0001
NEW QAC 1000 – test strips*	0–25–50–100–250–500–1000 mg/l	Cleaning control	2960.0001

* per 100 pieces, **per 50 pieces



VOLUMETRIC SOLUTIONS FOR QUANTITATIVE ANALYSIS IN TOP QUALITY FROM CHEMSOLUTE®


The diverse CHEMSOLUTE® range of volumetric solutions ensures that the right solution is available for every application.

www.thgeyer.com

SOLUTIONS AND DILUTION BUFFERS FOR MICROBIOLOGY

Buffers and dilution solutions for the cultivation, enrichment and revitalization of sensitive microbiological cultures, as in food industry and other application areas.






Special price			
Description	GHS	PK	Cat. No.
Ringer tablets	 ¹⁾	100 tablets	1.15525.0001
Ringers tablets, 1/4		100 tablets	96724-100TAB
Buffered peptone water		500 g	1.07228.0500
		5 kg	1.07228.5000
Maximum recovery diluent for microbiology, GranuCult® prime		500 g	1.12535.0500
Trypton salt tablets		100 tablets	1.15421.0100
Tryptone salt diluent tablets, NutriSelect® Basic		100 tablets	43173-100TAB

¹⁾ Warning H319



HISTOLOGY - EVERYTHING FOR EMBEDDING OF SAMPLES



Special price			
Description	GHS	PK	Cat. No.
Paraffin for histology (50 – 52 °C) (pastilles)		2 kg	1168.2000
Paraffin for histology (56 – 58 °C) (pastilles)		1 kg	1170.1000
Paraffin for histology (56 – 58 °C) (pastilles)		8 kg	1170.8000
Paraffin oil high viscosity for histology, Ph. Eur.	 ¹⁾	1 l	1160.1000
Paraffin oil high viscosity for histology, Ph. Eur.	 ¹⁾	2.5 l	1160.2500
Paraffin oil low viscosity for histology, Ph. Eur.	 ¹⁾	2.5 l	1148.2500
NEW Tissue Freezing Medium (OCT)		118 ml	8010.0118

¹⁾ Warning H302 H332



EVERYTHING FROM ONE SOURCE
MORE THAN 1.100 MANUFACTURERS AND BRANDS



Here you will find a selection
of our manufacturers and brands
www.thgeyer.com





NMR TUBE RACK, PP



Polypropylene rack with carrying handles features an upper deck with holes and a lower deck support for tube ends. Stackable. For 72 (6 x 12) tubes with 3 or 5 mm diameter. Autoclavable.

Dimensions (W x D x H) mm	PK	Cat. No.
210 x 110 x 220	1	9.301 065

NMR TUBES, DIAMETER 3 AND 5 MM, STANDARD, BOROSILICATE GLASS 3.3,



The NMR tubes are produced with high precision. They are suitable for routine measurements, high-throughput measurements or NMR systems with autosampler at measurement frequencies up to 600 MHz. The tubes are manufactured from borosilicate glass 3.3 which conforms to USP Type I and ASTM E438, Type I, Class A. Please order closing caps separately.

Outer diam. mm	Int. diam. mm	Length mm	PK	Cat. No.
4.95 ± 0.05	4.19 ± 0.05	178	100	9.400 310
4.95 ± 0.05	4.19 ± 0.05	203	100	9.400 311

CLOSING CAPS FOR NMR AND EPR TUBES

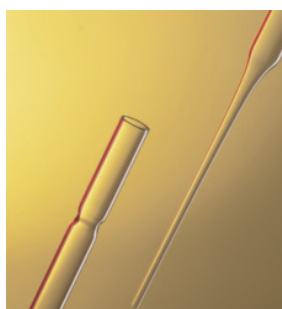


The caps are made of durable plastic. For 5 mm NMR tubes and corresponding EPR tubes.



Colour	PK	Cat. No.
red	50	4.688 374
green	50	4.688 375
yellow	50	4.688 376
blue	50	4.688 377

PASTEUR PIPETTES, SODA GLASS



Extra long tip, optimal for NMR applications. With constriction, without cotton wool.

Length mm	PK	Cat. No.
300	1000	4.672 077
350	1000	4.672 078

NMR BRUSHES



For cleaning NMR tubes.

Length mm	PK	Cat. No.
250	5	4.669 337

NMR SOLVENTS AND DEUTERIUM-LABELED COMPOUNDS



The ZEOtope product line includes the industry-standard NMR solvents. The product specifications can be customised to your requirements.

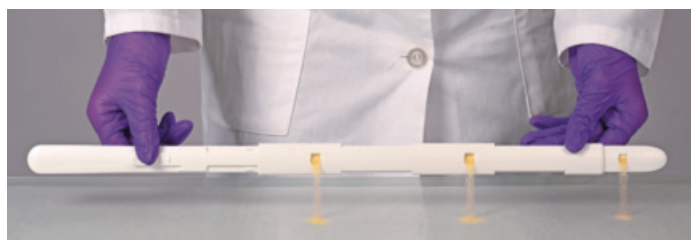


SAMPLING

DISPOSABLE MULTI-ZONE SAMPLER PHARMADISPO, PS



- Simultaneous extraction from different layers or zones
- Ergonomic one-hand operation



The three separate sampling chambers allow simultaneous sampling from different layers or zones. A sliding mechanism with an end stop makes it easy to open and close the sampler.

- Ergonomic one-handed operation
- Clean room manufactured, individually packaged
- 3 chambers
- Length: 500 mm, penetration depth: 320 mm
- Food safe

NEW



Nominal capacity ml	Sterile	PK	Cat. No.
0.05	-	20	4.710 598
0.1	-	20	4.710 600
0.5	-	20	4.710 602
1	-	20	4.710 604
0.01	+	20	4.710 597
0.05	+	20	4.710 599
0.1	+	20	4.710 601
0.5	+	20	4.710 603
1	+	20	4.710 605

SAMPLING DIPPERS DISPODIPPER LABOPLAST®/STERIPLAST®, PP, BLUE TRANSPARENT



Cleanroom-manufactured, scaled scoop for sampling, especially for disposable use. The blue colour makes it perfect for use in the food, animal feed and pharmaceutical industries. The can can be sealed liquid-tight after sampling.

- Individually packaged and optionally sterilised by gamma rays (SteriPlast®)
- Production and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Capacity ml	Description	PK	Cat. No.
50	LaboPlast®	20	6.290 524
50	SteriPlast®	20	6.290 525
100	LaboPlast®	20	4.662 230
100	SteriPlast®	20	4.662 231
250	LaboPlast®	20	4.662 232
250	SteriPlast®	20	4.662 233

WIDE-MOUTH BOTTLES, NATURAL, LDPE



Natural. Closure made from PP. 100% tight. Perfect for storing and transporting liquids.

Capacity ml	Internal mouth Ø mm	Ext. Ø mm	Height mm	PK	Cat. No.
30	21.5	36.5	62.5	12	7.696 135
60	21.5	38.5	85.0	12	7.696 136
125	28.5	50.5	99.0	12	7.696 137
250	32.5	61.5	133.0	12	7.696 138
500	43.5	72.5	170.0	12	7.696 139
1000	53.0	91.5	199.0	6	7.696 140

LABORATORY MIXER, BAGMIXER® 400

For sample preparation with an easily adjustable paddle system. The BagMixer® is available in 3 sizes and blends all sample types before their microbial analysis.

BagMixer® 400 P
with a stainless steel door.
BagMixer® 400 W and 400 CC
with stainless steel door with viewing window.
Click & clean® System
(only BagMixer® 400 CC): removable and autoclavable paddles.

All units have a 3-year warranty and life guarantee for shock absorbers and window doors.

Type	Volume ml	Dimensions (W x D x H) mm	PK	Cat. No.
400 P	50 ... 400	260 x 390 x 290	1	6.204 551
400 W	50 ... 400	260 x 390 x 290	1	6.224 287
400 CC	50 ... 400	260 x 420 x 265	1	9.570 098



LABORATORY MARKERS EDDING 8014/8015 F



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. Tested quality: extreme resistance to abrasion and high temperatures - tested and approved by TÜV Saarland.

Type	Colour	Bullet Nib mm	PK	Cat. No.
8014	Black	1	1	6.286 279
8015 F	Black	0.75	1	6.286 280

BLENDER BAGS, STERILE, PE



The LABSOLUTE® blender bags made of high-quality pure PE are designed for safe and rapid homogenization of solid samples prior to microbiological and chemical analysis. The homogenising bags can be used in direct contact with food. They are available in three versions: without filter, with side fleece filter with a pore size of <250 µm or with a full-page fleece filter with a pore size of <250 µm.

- Suitable for all standard 400 ml laboratory homogenizers
- Temperature resistant from -40 to 100 °C
- Gamma-sterilized to a Sterility Assurance Level (SAL) of 10⁻³

Description	Dimensions (W x H) mm	PK	Cat. No.
Without filter	180 x 300	500	7.696 480
Lateral filter	190 x 300	500	7.696 481
Full page filter	190 x 300	500	7.696 482

BLENDER BAGS, BAGSYSTEM®, STERILE



P 400



PolySilk 100

BagLight®: Bag without filter, for all microbiological laboratory applications.

BagPage® and BagPage®+: Homogenizer bag with a micro-perforated filter that extends over the entire width of the sample bag (full-size filter).

BagFilter® P: Bag with non-woven filter (side filter). Removal of the filtered solvent with BagPipet®. With pre-cut for pipetting.

BagFilter® XF: Blender bags with lateral filter. Bag with an ultra-fine lateral filter (<20 µm). Suitable for use with capillary analysis systems (PCR, flow cytometry) and samples with fine particles (powder, dust).

Type	Description	PK	Cat. No.
BagLight® PolySilk 100	plain bag, sleeve 25	500	9.570 075
BagOpen® 400	bag opener	1	9.570 084
BagLight® PolySilk 3500	plain bag, sleeve 25	500	9.570 077
BagPage® + 400	full-size filter bag, sleeve 25	500	9.570 081
BagFilter® P 400	side filter bag, sleeve 25	500	9.570 078
BagFilter® XF 400	side filter bag, sleeve 25	500	6.325 973

FILTRATION

FUNNEL STANDS LABOPLAST®, PP



White, unbreakable, chemically resistant. For 2 or 4 funnels. A robust, heavy base provides good stability. Variable height adjustment up to 450 mm. Thanks to a magnet system, no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

With 2 or 4 aperture reduction inserts for small funnels. Suitable for funnels with diam. 40 to 180 mm.

For funnels Piece	Dimensions (W x D x H) mm	PK	Cat. No.
2	140 x 300 x 480	1	9.069 922
4	150 x 550 x 500	1	9.069 924

FUNNEL HOLDER, PP



Suitable for funnels with a diameter from 25 up to 150 mm. Or powder funnels with stem diameters not exceeding 35 mm. Use with rod diameter of the stand from 8 to 12 mm.

Description	PK	Cat. No.
Single	1	7.696 235
Double	1	7.696 236

BUCHNER FUNNEL, BOROSILICATE GLASS 3.3



Buchner Funnel (with slit sieve disc) for Membranes or Paper Filters

- Chemical and high-temperature change resistance
- With a sintered VitraPOR® glass filter disc
- The glass filter disc, which is fitted with a glass disc with approx. 1.8 mm wide slits
- Easy filtrate removal and cleaning

Capacity ml	Funnel diam. mm	Filter diam. mm	PK	Cat. No.
75	52	45 ... 48	1	6.492 454
125	65	55 ... 60	1	6.492 455

LLG-FILTERING APPARATUS, BOROSILICATE GLASS



Universally applicable filtration unit made of high-quality borosilicate glass. Wide range of applications for filtration with filter paper or membrane filters (47 mm).

- Large funnel (300 ml) with scale
- Filter flask 1 or 2 litres, with scale
- Safe plastic olive
- Filter plate with porosity 2

Scope of supply: Filter flask NS 45/40, funnel 300 ml, filter holder NS 45/40 with connector GL 14 and filter plate 47 mm (por. 2), clamp

Description	PK	Cat. No.
LLG filtration unit 1000 ml	1	6.291 850
LLG filtration unit 2000 ml	1	6.291 851

CIRCLES, QUALITATIVE, GRADE 2020



Grade 2020, medium to slow filtering, particle retention 5-13 µm, filtration speed 88 s according to DIN 53137, basis weight 73 g/m², thickness 0.16 mm

For fast filtration with fine particles for general, analytical application in schools, research, health care, food and cosmetics industry.

Ø mm	PK	Cat. No.
42.5	100	7.697 970
55	100	7.697 971
70	100	7.697 972
90	100	7.697 973
110	100	7.697 974
125	100	7.697 975
150	100	7.697 976
185	100	7.697 977
210	100	7.697 978
240	100	7.697 979

EXTRACTION THIMBLES, CELLULOSE



The LABSOLUTE® extraction thimbles are made of 100% cellulose. They have a high mechanical stability and are free from binders. The extraction thimbles have a wall thickness of about 1 mm and a pore size of approximately 5 µm. They are perfect for all kind of Soxhlet extractions as well as for the separation of liquid and solid particles out of air and gases.

Int. diam. mm	Length mm	PK	Cat. No.
22	80	25	7.699 210
30	80	25	7.699 211
33	80	25	7.699 212
33	94	25	7.699 213

CULTURE FLASKS, DURAN®, STRAIGHT NECK



DURAN®. Erlenmeyer. Straight neck. Suitable for metal caps. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	64	38	114	1	9.010 472
200	79	38	138	1	9.010 473
250	85	38	149	1	9.010 474
300	87	38	161	1	9.010 475
500	105	38	183	1	9.010 476
1000	131	38	229	1	9.010 477

BAFFLED FLASKS, STRAIGHT NECK, BOROSILICATE GLASS 3.3



4 bottom baffles. Erlenmeyer shape. Autoclavable. Please order metal cap separately.

Capacity	Bottom diam.	Neck diam. approx.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	62	38	117	1	7.690 430
250	82	38	138	1	7.690 431
500	101	38	186	1	7.690 432
1000	129	38	222	1	7.690 433
2000	161	38	282	1	7.690 434

OIL AND CHEMICAL ABSORBENT CHEMSOLUTE® SORB



ABSORBENT FOR CHEMICALS CHEMSOLUTE® SORB

Fine polymer/mineral-based granules

- Do not create dust, suitable for all liquids
- Do not trigger hazardous reactions with chemicals
- Absorb up to 75 times their own weight
- Low and problem-free dosage
- Binder saturation recognizable by changes in colour
- Dam formation function
- Indicator function - colour change: acids (yellow)/alkalis (red)
- State-certified in accordance with Oil Binder Guidelines type III R approved for traffic areas, MPA NRW 22 000 8388 10

Package	Content	PK	Cat. No.
Dosing container	1,000 ml	1	2410.0001
Wide-mouth container	4,000 ml	1	2440.0001
Storage bucket	5 kg	1	2450.0001
Barrel (60 l)	20 kg	1	2460.0001

WEIGHTING RINGS, O-SHAPE, CAST IRON



The LABSOLUTE® cast iron weighting rings stabilize glass and plasticware in the water bath, preventing it from floating. The red PVC plastic coating is temperature-resistant from -20 to +60 °C and reliably prevents damage to laboratory equipment.

For flasks	Int. Ø	Ext. Ø	Weight	PK	Cat. No.
ml	mm	mm	g		
125-500	48	87	260	1	7.690 450
250-1000	56	103	520	1	7.690 451
500-2000	61	112	830	1	7.690 452
1000-4000	72	128	1000	1	7.690 453

FORCEPS, 18/10 STAINLESS STEEL

Straight, blunt.

Length	PK	Cat. No.
mm		
105	1	9.171 010
115	1	9.171 011
130	1	9.171 013
145	1	9.171 014
160	1	9.171 016
200	1	9.171 020
250	1	9.171 025
300	1	9.171 030



SCISSORS, STAINLESS STEEL



6.280 910



6.280 912



6.280 913



6.280 914

Swiss made, high quality finish, suitable for medical purposes. Length: 90 mm.

Form	PK	Cat. No.
Curved body form (miniature work), extra fine, sharp - sharp	1	6.280 910
Straight body form (miniature work), extra fine, sharp - sharp	1	4.668 556
Curved body form, extra fine, sharp - sharp	1	6.280 911
Straight body form, extra fine, sharp - sharp	1	4.668 573
Curved body form, round, strong, sharp - sharp	1	6.280 912
Curved body form, extra fine, strong, sharp - sharp	1	6.280 913
Straight body form, blunt - blunt	1	6.280 914

SPATULA SET, 14-PIECES



In the zipper case, the spatula is attached with loops.
 2 Spoon spatula, 150 mm, 180 mm
 3 Micro-spatula, spoon 5 x 7 mm, 100, 150, 185 mm
 3 Double spatula, rigid, 130, 150, 185 mm
 Micro-powder spatula, flexible, 150 mm
 Pharmacist spoon, double-ended, 170 mm
 Chemical spoon, double-sided, 150 mm
 Weighing spatula, 170 mm
 2 Micro-double spatula, spoon-shaped, 130, 150 mm

Type	PK	Cat. No.
HSO 132-00	1	6.312 442

MICRO SPOON SPATULAS, 18/10 STEEL



Excellent grade polished stainless steel with one end having a flat spatula and the other end having a micro spoon.

Length	PK	Cat. No.
mm		
150	1	9.150 820
180	1	4.008 451
210	1	6.267 816

SPATULAS WITH A WOODEN HANDLE, 18 / 10 STEEL



Flexible, long blade as outlined below.

Blade width mm	Blade length mm	Length mm	PK	Cat. No.
18	100	190	1	9.220 610
20	130	230	1	9.220 613
22	150	250	1	9.220 615
32	200	310	1	9.220 620
42	300	415	1	9.220 630



LABSOLUTE® SEAL



NEW

LABSOLUTE® SEAL is a stretchable and moisture-proof sealing film that adapts effortlessly to any surface. LABSOLUTE® SEAL protects against moisture loss while allowing gas permeability.

Thickness µm	Width cm	Length m	PK	Cat. No.
125	10	38	1	7.699 700

Not suitable for use with acetone, diethyl ether or tetrachlormethane.

SPATULA, WOOD



NEW

Width mm	Length mm	PK	Cat. No.
18	150	100	7.695 290

PRESSURE SEAL BAGS, LDPE



The LABSOLUTE® sample bags are made from tear-proof, transparent LDPE and have a common but safe pressure seal.

EURO HOLE

With euro hole for easy hang up.

Length mm	Width mm	Thickness µm	PK	Cat. No.
100	70	50	100	7.696 490
120	80	50	100	7.696 491
150	100	50	100	7.696 492
170	120	50	100	7.696 493
250	180	50	100	7.696 494
300	200	50	100	7.696 495

LABELLING FIELD

With labelling field for fast and clear marking.

Length mm	Width mm	Thickness µm	PK	Cat. No.
100	70	50	100	7.696 496
120	80	50	100	7.696 497
150	100	50	100	7.696 498
170	120	50	100	7.696 499

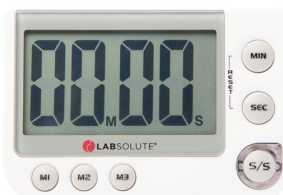
LABORATORY AND HYGIENE WIPES, 2-PLY



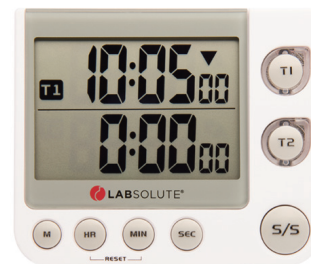
The LABSOLUTE® laboratory wipes made of non-chlorine bleached cellulose are especially low-lint and soft.

Description	Width mm	Length mm	PK	Cat. No.
30 boxes with 150 wipes	210	220	30	7.695 251

TIMER ASSORTMENT



Jumbo Timer



Dual T imer



Basic Timer



Mechanical Timer

JUMBO TIMER

The LABSOLUTE® jumbo timer has an extra large display and a combination of an audible and visual alarm. During the countdown, the start and stop button lights up green; once the time has expired, the audible signal and the red light both indicate the end of the countdown.

Description	PK	Cat. No.
Jumbo timer	1	7.695 453

DUAL TIMER

The LABSOLUTE® dual timer is ideal for comparing different countdown or countup times. The elapsed time is indicated both audibly and visibly by the T1 and T2 buttons lighting up green and then red during the countdown. The timer is easy to operate and can be read without errors thanks to the large display and the clearly visible digits.

Description	PK	Cat. No.
Dual timer	1	7.695 454

BASIC TIMER

The LABSOLUTE® basic timer is a handy, lightweight and functional timer with a simple design.

Description	PK	Cat. No.
Basic timer	1	7.695 455

MECHANICAL TIMER

The LABSOLUTE® mechanical timer has a robust white casing with a white rotary knob and black scale.

Description	PK	Cat. No.
Mechanical timer 0 - 60 min	1	7.695 452



The specifications for our timers can be found in our webshop.

STIRRING / SHAKING / MIXING

MAGNETIC STIRRERS GUARDIAN™ 5000



- High safety standard
- Monitoring of the maximum temperature



NEW



e-G52HS07C-K1

e-G52HSRDA-K1

These magnetic stirrers are designed for safety and versatility across research, academic and industrial settings. They offer powerful mixing with premium hardware and software to support users safely and reliably.

- SmartRate™ enables to selection of fast or slow temperature and speed ramp rates
- SmartHeat™ safely controls and monitors the maximum temperature
- SafetyHeat™ assures safety in heating applications with dual monitoring of system health
- With connection for temperature sensor (Pt 100, Pt 1000)
- Run dry protection with an alarm
- Timer from 1 min to 99 h 59 min
- With RS232 interface
- Speed range: 50 ... 1800 rpm

Scope of supply: Hotplate stirrer, temperature sensor Pt 1000, sensor holder kit

Type	Stirring capacity	Dimensions (W x D x H)	PK	Cat. No.
	l	mm		
e-G52HS07C-K1*	20	221 x 329 x 116	1	4.702 915
e-G52HS10C-K1*	22	287 x 402 x 118	1	4.702 916
e-G52HSRDA-K1**	20	175 x 259 x 108	1	4.702 917

* square cover plate, **round cover plate

MAGNETIC MINI-STIRRERS TOPOLINO

Without heating. Extremely convenient magnetic mini-stirrer for mixing volumes up to 250 ml.

- Durable, brushless motor
- Infinitely variable speed range
- Strong magnetic coupling



Specifications

Stirring quantity max. (H ₂ O):	250 ml
Speed range:	300 ... 1800 rpm
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80%
Material:	PP
Dimensions Top plate (Ø):	80 mm
Dimensions (W x H x D):	95 x 37 x 115 mm
Weight:	0.32 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 21

Type	Plug type	PK	Cat. No.
Topolino	EU/CH	1	9.720 220

MAGNETIC STIRRING BARS, CYLINDRICAL, PTFE



Cylindrical LABSOLUTE® magnetic stirring bars with smooth surface.

- PTFE coated
- Highly resistant to chemicals

Length mm	Ø mm	PK	Cat. No.
10	6	10	7.695 100
15	6	10	7.695 101
20	6	10	7.695 102
25	6	10	7.695 103
30	6	10	7.695 104
35	6	10	7.695 105
40	8	10	7.695 106
45	8	10	7.695 107
50	8	10	7.695 108
60	9	10	7.695 109
70	9	10	7.695 110
80	9	10	7.695 111

STIRRING BAR RETRIEVERS, PTFE



The LABSOLUTE® stirring bar retrievers in the lengths of 150, 250 and 350 mm are suitable for removing magnetic stirring bars from vessels of all kinds. They have a strong permanent magnet (Alnico 5) with a 10 mm diameter. Due to the PTFE coating the stirring bar retrievers are particularly resistant to chemicals and temperatures.

Length mm	Ø mm	PK	Cat. No.
150	10	1	7.695 120
250	10	1	7.695 121
350	10	1	7.695 122

RETORT STAND BASES



To DIN 12892. Steel, powder-coated, 8 mm thick. Rubber feet. With an M10 bore a hole in the middle of one shorter side.

Width	Depth	PK	Cat. No.
mm	mm		
100	180	1	7.200 420
130	210	1	9.224 013
160	250	1	6.076 836
150	300	1	9.224 015
200	315	1	9.224 017

SUPPORT RODS GALVANISER STEEL



Galvanised steel. External diameter 12 mm. With M10 thread.

Length	PK	Cat. No.
mm		
500	1	9.224 105
600	1	9.224 106
750	1	9.224 107
1000	1	9.224 110
1250	1	7.095 411
1500	1	9.224 115

SUPPORT RINGS, GALVANISED STEEL



Closed ring, with bosshead.

Int. diam.	Length	PK	Cat. No.
mm	mm		
50	70	1	4.659 172
70	70	1	9.225 081
100	70	1	6.238 844
130	70	1	7.651 881

BOSSHEAD



9.224 251



9.224 257

To DIN 12895. Zinc die casting, powder-coated. For vertical and horizontal clamping.

Description	Jaw opening mm	PK	Cat. No.
Bosshead with steel screws	16	1	9.224 251
Bosshead with brass screws	16	1	9.224 245
Double cross boss head with brass screws	20	1	9.224 257

CLAMPS



To DIN 12894. B form. Zinc die casting, powder-coated. With round jaws.

Clamping range	PK	Cat. No.
mm		
25	1	9.224 302
40	1	9.224 304
60	1	9.224 306
80	1	9.224 319

MEMBRANE-PLATE KIT FOR EFFICIENT MEMBRANE FILTRATION



NEW



The BIOSOLUTE® Membrane Plate Kit contains 100 BIOSOLUTE® membrane filtration plates in combination with compatible Sartorius membrane filters for efficient filtration. BIOSOLUTE® membrane filtration plates are particularly high-quality smaller plates of 55 mm size with a filling volume of 9 ml.

- Benefit in terms of safety by certified combined validation of the plates and filters:
- Compliant with ISO 11133:2014
 - Tested in an ISO 17025 accredited laboratory
 - Filters comply with ISO 7704:2023
 - Comprehensive combined certificates of analysis for each batch including filter batch

- Save space and energy costs in terms of sustainability:
- Optimised storage thanks to non-refrigerated conditions and space-saving
 - Easy handling thanks to stackable plates in the incubator
 - Lower disposal volume due to reduced weight

- Optimise your stock organization:
- Storage at room temperature
 - Longer shelf life of the plates
 - BBD 5 to 7 months from production date, depending on agar

Description	Membrane type Contents	PK	Cat. No.
Chromogenic Coliform Agar (CCA) Membrane-Plate Kit	Sartorius 114H6Z-47-SC	100	8573.0100
Pseudomonas CN Cetrimid Agar Membrane-Plate Kit	Sartorius 114H6Z-47-SC	100	8571.0100
Slanetz and Bartley Agar Membrane-Plate-Kit	Sartorius 114H6Z-47-SC	100	8572.0100
TSC Agar (Tryptose Sulfit Cycloserin Agar) Membrane-Plate-Kit	Sartorius 114H6Z-47-SC	100	8570.0100

STERILE WATER SAMPLE BOTTLES FROM CORNING® GOSSELIN™



The sterile water sample bottles from Corning are available prefilled with sodium thiosulfate or without, and can be used for all areas of sample collection in water analysis. The prefilled bottles are filled with 20 mg/l sodium thiosulfate, which neutralises the effect of the halogens chlorine and bromine, as well as dissolved ozone in the water.

- Break-resistant polyethylene terephthalate (PET) or high-density polyethylene (HDPE)
- Raised scale, writable labels with barcode
- Large openings minimise the risk of contamination
- Space-saving, rectangular shape
- Moulded seal and retaining ring

Description	Contents ml	PK	Cat. No.
Water sample bottle, sterile, with 20 mg/l sodium thiosulfate, PET, with red safety cap	250	312	7.674 683
Water sample bottle, sterile, with 20 mg/l sodium thiosulfate, HDPE, sterile, with red safety cap	500	100	7.674 675
Water sample bottle, sterile, PET, with safety screw cap	250	144	7.674 867
Water sample bottle, sterile, HDPE, with red safety cap	500	100	7.674 619

EVAPORATING FLASKS, PEAR-SHAPED, BOROSILICATE GLASS 3.3



Can be used with every standard rotary evaporator with standard joint.
With labelling field.

Capacity	Flask Ø	Socket	PK	Cat. No.
ml	mm	NS		
100	62	29/32	1	7.690 180
250	83	29/32	1	7.690 181
500	101	29/32	1	7.690 182
1000	128	29/32	1	7.690 183
2000	160	29/32	1	7.690 184

EVAPORATING FLASKS WITH CONICAL GROUND JOINT, DURAN®



Especially for rotary evaporators,
with a centre neck and conical joint,
pear-shaped.

Nominal capacity	Socket	Flask diam.	PK	Cat. No.
ml	NS	mm		
50	29/32	56	1	9.196 020
100	29/32	60	1	9.196 024
250	29/32	81	1	9.196 036
500	29/32	101	1	9.196 044
1000	29/32	126	1	9.196 054
2000	29/32	158	1	9.196 063

RUBBER BALLOON WITH HOSE CONNECTION



- Latex (NR)
- For Rotary Evaporators
- Suitable for mixture or collection and short-term storage of gases
- For control of air/gas entry or tread out of gas in instruments

Size	Volume	PK	Cat. No.
	litres		
5	approx. 1.5 ... 2	1	9.115 515
8	approx. 3.5 ... 4	1	7.652 667

ROTARY EVAPORATOR HEI-VAP CORE



- Clear display
- Residual heat warning
- Ergonomic handles



An operating concept reduced to the essentials: clear and with direct access to the basic parameters of rotation speed and heating bath temperature at all times. Without vacuum control. For integration into an existing vacuum system or for configuration with an optional vacuum controller.

- Handlift model
- Clear digital display for monitoring the current values and a separate button to display the set values
- Two separate operating knobs for adjusting the rotation speed and heating temperature with an LED ring light system for activity indication
- Activated lock feature prevents inadvertent adjustments
- Residual heat indicator when >50 °C
- Standby button stops all functions and lifts the evaporator flask out of the heating bath on motor lift models

Scope of supply: Flask clamp Easy-Clip, vapour tube, ventilation cap, heating bath, 1-l receiving flask, 1-l evaporating flask.
Supplied condenser as indicated.

Specifications

Drive

Speed range:
Speed display:
Stroke displacement:
Protection class:

10 ... 280 rpm
Digital
155 mm
IP 20

Heating bath

Bath volume:
Temperature range:
Power input:
Protection class:

4.5 L
Ambient ... 210 °C
1300 W
IP 67

General data

Max. size evaporating flask:
Condensing surface:
Condensing surface XL condenser:
Power supply:

5 L
1400 cm²
2200 cm²
230 V

Description	PK	Cat. No.
G3 Vertical condenser	1	4.666 086

MINI-CENTRIFUGE SPROUT® PLUS



The SnapSpin™ rotors offer a new approach for a compact design and design and more efficiency in the laboratory. Easy replacement of the rotors without tools thanks to the click mechanism. Transparent lid, unbreakable ABS housing base. Automatic start/stop function when opening and closing the lid.

- Secure hold and reduced vibration thanks to anti-slip studs
- Rotors (glass-filled PC) and adapter together can hold up to 6 microtubes (2.0/1.5/0.5 ml)
- Fixed-angle rotor (unfilled PC) holds up to 16 PCR tubes, 0.2 ml (single or 2 x 8)
- Simple operation: load tubes, close lid, operate on/off switch
- For repeated centrifugation, simply open or close the lid
- Small footprint
- Mains adapter incl. plug variants for global use
- Lockable lid for additional protection during operation
- Higher lid for the use of longer tubes, tubes with a standing rim and for standing rim and for higher vessel lids

You can find the specifications for this device in our webshop.

Scope of supply:

- Two easy change, tool-free rotors. 1. Circular, one-size rotor for six 1.5- and 2.0ml tubes or use with adapters to spin six 0.5ml tubes.
- 2. Strip rotor for two 8 x 0.2ml PCR tube strips or 16 x individual 0.2ml PCR tubes. Six 0.2 mL and six 0.5 mL adapters for customized use
- Storage Case, PP - Keeps rotors and adapters contained and dust-free
- Tube Rack, PP - Convenient for handling samples before and after quick spins. For 16 x 2.0/1.5ml micro centrifuge tubes (diam. 12mm)
- 4 replacement lid o-rings

Type	Colour	Dimensions (W x D x H) mm	PK	Cat. No.
Sprout® plus	green	128 x 153 x 109	1	4.666 426
Sprout® plus	blue	128 x 153 x 109	1	4.666 427

SAFE SEAL MICRO TUBES, PP



LABSOLUTE® safe seal micro tubes with lid lock. To prevent the lids from popping open unintentionally under thermal exposure.

- Autoclavable
- Frosted labelling field
- Graduated
- 1.5 ml reaction tubes can be centrifuged up to 30.000 x g

Volume ml	PK	Cat. No.
0.5	1000	7.696 755
1.5	1000	7.696 756
2.0	1000	7.696 757

MICROCENTRIFUGE FRONTIER™



- With unbalance sensor
- Powerful, brushless induction motor
- 10 acceleration and deceleration rates



FC5513-K

Compact high-speed microcentrifuge with modern touch-wheel interface. Ideal suited for general laboratory applications.

- Backlit, two-lined LCD
- Powerful brushless induction motor
- 10 acceleration and deceleration rates
- Memory for up to 99 parameters
- Imbalance sensor
- Small footprint

Scope of supply: Centrifuge, angle rotor for 24 x 1.5/2.0 ml tubes or with angle rotor for 18 x 1.5/2.0 ml tubes

Specifications

Max. RCF:	17317 x g 15994 x g 17317 x g
Max. Speed:	20 ... 13500 200 ... 14000 200 ... 13.500 rpm
Max. Load:	24 x 1.5/2.0 ml 18 x 1.5/2.0 ml 24 x 1.5/2.0 ml
Timer:	10 s ... 99 h 59 min 59 s, continuous
Power consumption:	170 W
Dimensions (W x D x H):	277 x 356 x 236 mm
Weight:	13.1 kg
Power supply:	230 V, 50/60 Hz

Type	PK	Cat. No.
FC5513-K	1	6.323 158
FC5513-L	1	4.699 640
FC5513R	1	4.699 641

FIXED ANGLE ROTORS FOR MICRO CENTRIFUGES FRONTIER™ FC5513

Type	For tubes	Lid	PK	Cat. No.
R-A24X2/13MB	24 x 1.5/2.0 ml	Aerosol-tight	1	6.324 563

VORTEX MIXERS ZX4/WIZARD/TX4 WITH IR SENSOR



Vortexers with patented IR sensor for sample recognition: the shaking process starts automatically when the sample tube approaches the mixing cup head. This enables fatigue-free working, as the sample doesn't have to be pressed on the device.

- For IR sensor and continuous operation
- Electronic speed control
- Adjustable shaking speeds up to 3000 rpm
- Very good chemical resistance

ZX4: Analog vortex mixer

WIZARD: Compact, analogue vortex mixer

TX4: Digital vortex mixer with timer and LCD

Scope of delivery: Vortex mixer with mixing head

Specifications

Type of movement:	orbital
Orbital diameter:	4.5 mm
Speed range:	0 ... 3000 rpm
Input power:	15 W
IP code:	IP 42
Power supply:	100 ... 240 V, 50 ... 60 Hz
Warranty:	3 years

Type	PK	Cat. No.
ZX4	1	7.971 461
ZX4 with foam stands	1	4.666 714
WIZARD	1	4.666 536
TX4	1	4.666 537

CENTRIFUGE TUBES, PP



- Centrifugation: conical up to 16000 x g and with rim up to 3000 x g
- Free from DNase and RNase
- Endotoxin level: <0.5 EU/ml
- Sterile goods are gamma-sterilized (SAL 10⁻⁶)
- Available in bags (25 pcs/bag) or racks (15 ml tubes: 50 pcs/rack, 50 ml tubes: 25 pcs/rack)

Description	Capacity	Ø	Height	PK	Cat. No.
	ml	mm	mm		
Conical, in bags	15	16	120	500	7.696 712
Conical, in bags	50	28	115	500	7.696 717
Self standing, in bags	50	28	115	500	7.696 722

VORTEX-GENIE® 2



Robust and reliable shakers for speedy mixing and shaking of samples. Multiple accessories: e.g. adapter tops for test tubes, beakers, centrifuge tubes etc. Adapter tops can be changed easily with the snap fit system. Variable speed for precise mixing from gentle to vigorous. Broad range of attachments for most tubes, plates and other containers. Hands-Free or Touch On control.

Scope of delivery: Vortexer, platform (Ø 76 mm) with rubber pad, Pop-off attachment

You can find the specifications for this device in our webshop.

Type	Min. speed rpm	Max. speed rpm	Plug type	PK	Cat. No.
Vortex Genie® 2	600	2700	EU	1	9.730 060

MICROTITRE SHAKER LLG-uniPLATESHAKER 1



The device can be operated in a cold room. Universal fit comes with interchangeable clamps for different microplate sizes.

Scope of supply: shaker, mains adapter, 2 attachments (foam attachment and attachment for microtitre plates), 6 clamps

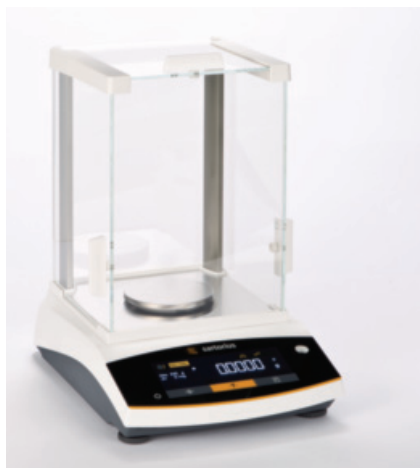
Specifications

Type of movement:	orbital
Orbital diameter:	2 mm
Speed range:	300 ... 1800 rpm
Max. load:	1 kg
Motor:	brushless DC motor
Timer:	1 ... 99 min, continuous
Power consumption:	15 W
Permissible ambient temperature:	4 ... 40 °C
Dimensions (W x D x H):	127 x 85 x 86 mm
Weight:	1.4 kg
Power supply:	100 ... 230 V, 50/60 Hz

Type	Plug type	PK	Cat. No.
LLG-uniPLATESHAKER 1	EU	1	6.263 488
LLG-uniPLATESHAKER 1	UK	1	6.263 489

WEIGHING

ANALYTICAL BALANCES ENTRIS® II SARTORIUS



With many convenience functions for efficiency and accuracy in the laboratory. Quality "Made in Germany".

- Modern sensors ensure very fast stabilisation time
- Automatic, internal calibration and adjustment function (isoCAL) for all "i" models
- Weighing platform is made of stainless steel
- Excellent readability and operability with a hybrid touch display
- Automatic detection of connected Sartorius accessories

High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreens against an electrostatic charge. All models are also available as approved versions for EU/France.

Scope of supply: Analytical balance, power supply unit, display protection cover

Specifications

Readability:	0.1 mg
Reproducibility:	±0.1 mg
Linearity:	±0.06 mg
Weighing platform:	Ø 90 mm
Weighing space height:	240 mm
Dimensions (W x D x H):	219 x 317 x 345 mm
Weight:	6.2 kg
Power supply:	100 ... 240 V, 50 ... 60 Hz

Type	Weighing range g	PK	Cat. No.
BCE64-1S	0.0001 ... 60	1	4.669 165
BCE64i-1S	0.0001 ... 60	1	4.669 168
BCE124-1S	0.0001 ... 120	1	4.669 109
BCE124i-1S	0.0001 ... 120	1	4.669 112
BCE224-1S	0.0001 ... 220	1	4.669 125
BCE224i-1S	0.0001 ... 220	1	4.669 128

WEIGHING BOATS, BOROSILICATE GLASS 3.3



The LABSOLUTE® weighing boats are made of borosilicate glass 3.3 and resistant against a wide range of chemicals. The funnel shape allows a lost-free ejection of the sample. Additionally the weighing sample can be transferred to a flask easily using any kind of liquid.

Capacity ml	Length mm	PK	Cat. No.
3	46	1	7.696 262
6	60	1	7.696 263
10	70	1	7.696 264

PORTABLE BALANCES, SCOUT® SKX



SKX421



SKX8200

- Superior overload protection and practical stackable design for convenient storage
- Bright backlit LCD and 4-button operation make the new Scout easy to see and use
- Multiple connectivity options are available for data logging and communication
- Fast weighing speed and high resolution deliver repeatable and reliable results
- Construction: ABS housing, stainless steel pan, replaceable in-use cover

Type	Capacity	Plate dimensions	PK	Cat. No.
	g	mm		
SKX123	120	Ø 93	1	6.281 344
SKX222	220	Ø 120	1	6.281 345
SKX422	420	Ø 120	1	6.281 346
SKX622	620	Ø 120	1	6.281 347
SKX1202	1200	170 x 140	1	6.281 348
SKX2202	2200	170 x 140	1	6.281 349
SKX421	420	Ø 120	1	6.281 350
SKX621	620	170 x 140	1	6.281 351
SKX2201	2200	170 x 140	1	6.281 352
SKX6201	6200	170 x 140	1	6.281 353
SKX8200	8200	170 x 140	1	6.281 354

LLG-WEIGHING BOTTLES WITH NS LID, BOROSILICATE GLASS 3.3



With writing area.
Available in tall or low shape.

Capacity ml	Form	Diam. mm	Height mm	NS	PK	Cat. No.
3	Low	25	25	19/12	1	9.300 151
10	Low	35	30	29/12	1	9.300 152
11	Low	40	25	34.5/12	1	9.300 150
20	Low	50	30	45/12	1	9.300 153
29	Low	60	30	50/12	1	9.300 154
9	Tall	25	40	19/12	1	9.300 160
19	Tall	30	50	24/12	1	9.300 161
42	Tall	35	70	29/12	1	9.300 162
66	Tall	40	80	34.5/12	1	9.300 163
105	Tall	50	80	45/12	1	9.300 164

pH METER FiveGo™ F2



F2-Standard kit

METTLER TOLEDO

Portable pH meter for field work and laboratories. Measurement made easy: A large, well-structured display, intuitive button arrangement and simple menu ensure measurements can be performed in just a few clicks.

Scope of delivery:

F2-Meter: Meter only

F2-Standard kit: Meter with LE438 sensor

F2-Food kit: Meter with LE427 sensor, carrying case

Specifications

pH

Measuring range: 0.00 ... 14.00

Resolution: 0.01

Accuracy: ± 0.01

mV

Measuring range: -1999...1999 mV

Resolution: 1 mV

Accuracy: ± 1 mV

Temperature

Compensation: ATC and MTC

Calibration: 3 points, 4 predefined buffer groups

Memory size: 200 measurements, current calibration

Temperature

Measuring range: 0 ... 100 °C

Resolution: 0.1 °C

Accuracy: ± 0.5 °C

Dimensions (W x D x H): 188 x 77 x 33 mm

IP code: IP 67 (meter + electrode)

Type	PK	Cat. No.
F2-Meter	1	6.280.111
F2-Standard kit	1	6.280.112
F2-Field kit	1	6.280.113

TECHNICAL pH BUFFER SOLUTIONS,



Certified reference material (CRM)

Reagecon



Certified reference material according to ISO 17034. The pH buffer solutions are colour-coded and the uncertainty of measurement of ± 0.02 pH was tested at 25 °C. Supplied with detailed certification report which includes traceability to NIST. Lot numbers and expiry dates are printed on the label.

Capacity ml	pH-value at 25 °C	Colour	PK	Cat. No.
500	4.01	Red	1	4.695.429
500	4.60	Red	1	4.695.430
500	7.00	Yellow	1	4.695.431
500	9.21	Blue	1	4.695.432
500	10.00	Blue	1	4.695.428

CONDUCTIVITY METER FiveGo™ F3



F3-Standard kit

METTLER TOLEDO

Portable conductivity meter for fieldwork. Measurement made easy: A large, well-structured display, intuitive button arrangement and simple menu ensure measurements can be performed in just a few clicks.

Scope of delivery:

F3-Standard kit: Meter with LE703 sensor

F3-Field kit: Meter with LE703 sensor, carrying case

Specifications

Conductivity

Measuring range:

0.00 μ S/cm ... 200 mS/cm

Resolution:

Automatic range

Accuracy:

$\pm 0.5\%$ of the measured value

Temperature

Measuring range:

0 ... 100 °C

Resolution:

0.1 °C

Accuracy:

± 0.5 °C

TDS

(Total Dissolved Solids)

Measuring range:

0.01 mg/l ... 200 g/l

Resolution:

Automatic range

Temperature compensation:

Linear 0.00 ... 10.00%/°C, reference temperature 20 and 25 °C

Calibration:

1 point, 3 predefined standards

Memory size:

200 measurements, current calibration

Dimensions (W x D x H):

188 x 77 x 33 mm

IP code:

IP 67 (meter + sensor)

Type	PK	Cat. No.
F3-Standard kit	1	6.280.116
F3-Field kit	1	6.280.117

TECHNICAL pH-PUFFER SOLUTIONS IN TWIN-NECK BOTTLE WITH COLOUR CODING (25 °C)

CHEMSOLUTE®



- Accuracy ± 0.02 pH units, reference temperature 25 °C
- Traceable to standard reference material of the National Institute of Standards and Technology (NIST)
- Easy identification through coloured buffer solutions
- Free from borates or other hazardous substances

Description	Colour	Capacity ml	PK	Cat. No.
pH 2,00	Red	1000	1	1161.1012
pH 4,01	Red	250	1	1165.0252
pH 4,01	Red	1000	1	1165.1012
pH 7,00	Yellow	250	1	1167.0252
pH 7,00	Yellow	1000	1	1167.1012
pH 10,01	Blue	250	1	1173.0252
pH 10,01	Blue	1000	1	1173.1012



LABSOLUTE® FILTER VIALS (ND11)



Save time with LABSOLUTE® ND11 filter vials – convenient sample preparation without syringes! Directly compatible with common autosamplers.

Description	PK	Cat. No.
RC, 0.2 µm	100	7.699 850
RC, 0.45 µm	100	7.699 851
Nylon, 0.2 µm	100	7.699 852
Nylon, 0.45 µm	100	7.699 853
PTFE, 0.2 µm	100	7.699 854
PTFE, 0.45 µm	100	7.699 855
PVDF, 0.2 µm	100	7.699 856
PVDF, 0.45 µm	100	7.699 857
PES, 0.2 µm	100	7.699 858
PES, 0.45 µm	100	7.699 859



CHEMSOLUTE® SOLVENTS FOR HPLC



CHEMSOLUTE® solvents are filled in glass bottles. They have a high optical purity and transmission and are ideally suited for HPLC.

Description	Volume	GHS	Signal	H P	PK	Cat. No.
Acetone for HPLC (min. 99.8 %)	1 l	GHS02 GHS07	Danger	H225 H319 H336 EUH066	1	2626.1000
Acetone for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07	Danger	H225 H319 H336 EUH066	1	2626.2500
Acetonitril for HPLC (min. 99.9 %)	1 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2637.1000
Acetonitril for HPLC (min. 99.9 %)	2.5 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2637.2500
Acetonitril isocratic for HPLC (min. 99.9 %)	5 l	GHS02 GHS07	Danger	H225 H302+H312+H332 H319	1	2692.5000
Acetonitril gradient grade for HPLC (min. 99.9 %)	1 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2653.1000
Acetonitril gradient grade for HPLC (min. 99.9 %)	2.5 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2653.2500
Acetonitril ultragradient grade for HPLC (min. 99.9 %)	1 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2685.1000
Acetonitril ultragradient grade for HPLC (min. 99.9 %)	2.5 l	GHS02 GHS07	Danger	H225 H302 H312 H319 H332	1	2685.2500
tert.-Butyl methyl ether for HPLC (min. 99.8 %)	1 l	GHS02 GHS07	Danger	H225 H315	1	2529.1000
tert.-Butyl methyl ether for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07	Danger	H225 H315	1	2529.2500
Chloroform for HPLC (min. 99.9 %, stab. with ethanol)	2.5 l	GHS06 GHS08	Danger	H302 H315 H319 H331 H351 H361d H372	1	2476.2500
Dichloromethane for HPLC (min. 99.9 %, stab. with amylene)	1 l	GHS08	Warning	H351	1	2356.1000
Dichloromethane for HPLC (min. 99.9 %, stab. with amylene)	2.5 l	GHS08	Warning	H351	1	2356.2500
Ethanol absolute for HPLC (min. 99.9 %)	1 l	GHS02 GHS07	Danger	H225 H319	1	2222.1000
Ethanol absolute for HPLC (min. 99.9 %)	2.5 l	GHS02 GHS07	Danger	H225 H319	1	2222.2500
Ethyl acetate for HPLC (min. 99.8 %)	1 l	GHS02 GHS07	Danger	H225 H319 H336 EUH066	1	2237.1000
Ethyl acetate for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07	Danger	H225 H319 H336 EUH066	1	2237.2500
n-Heptane for HPLC (min. 99.2 %)	2.5 l	GHS02 GHS07 GHS08 GHS09	Danger	H225 H304 H315 H336 H410	1	1968.2500
n-Hexane for HPLC (min. 96.0 %)	1 l	GHS02 GHS07 GHS08 GHS09	Danger	H225 H304 H315 H336 H361 H373 H411	1	1964.1000
n-Hexane for HPLC (min. 96.0 %)	2.5 l	GHS02 GHS07 GHS08 GHS09	Danger	H225 H304 H315 H336 H361 H373 H411	1	1964.2500
Isooctane for HPLC (min. 99.5 %)	2.5 l	GHS02 GHS07 GHS08 GHS09	Danger	H225 H304 H315 H336 H410	1	1807.2500
Methanol gradient grade for HPLC (min. 99.85 %)	1 l	GHS02 GHS06 GHS08	Danger	H225 H301+H311+H331 H370	1	1481.1000
Methanol gradient grade for HPLC (min. 99.85 %)	2.5 l	GHS02 GHS06 GHS08	Danger	H225 H301+H311+H331 H370	1	1481.2500
Methanol ultragradient grade for HPLC, Reag. Ph. Eur. (min. 99.90 %)	2.5 l	GHS02 GHS06 GHS08	Danger	H225 H301 H311 H331 H370	1	1455.2500
2-Methyl tetrahydrofuran for HPLC, isocratic (min. 99.5 %, unstab.)	2.5 l	GHS02 GHS05 GHS07	Danger	H225 H302 H315 H318 H335	1	1474.2500
Mixture ethyl acetate-ethanol 3:1 (v/v) for HPLC (Alt. to chlorinated solvents)	1 l	GHS02 GHS07	Danger	H225 H319 H336	1	1442.1000
2-Propanol for HPLC (min. 99.8 %)	1 l	GHS02 GHS07	Danger	H225 H319 H336	1	1164.1000
2-Propanol for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07	Danger	H225 H319 H336	1	1164.2500
Tetrahydrofuran for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07 GHS08	Danger	H225 H319 H335 H351 EUH019	1	720.2500
Toluene for HPLC (min. 99.8 %)	2.5 l	GHS02 GHS07 GHS08	Danger	H225 H302 H304 H315 H336 H361d H373	1	707.2500
Water for HPLC	1 l	-	-	-	1	418.1000
Water for HPLC	2.5 l	-	-	-	1	418.2500



GHS02



GHS05



GHS06



GHS07



GHS08



GHS09



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