

LABORTOPS

valid until 31st March 2019

LLG-Disposable Gloves *ergo*



- **Very Comfortable to Wear**
- **Safe Grip**



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Safety Eyeshields uvex x-fit



Top Brand at a Top Price!

uvex



- Classic safety spectacles with good coverage of the whole eye area
- Lightweight at just 23 grams
- Innovative hinged sidearm design
- Frame colour: translucent blue or translucent grey
- Completely metal-free
- Reliable UV 400 protection

uvex **supravisión excellence** coated lenses are anti-fog (for at least 16 seconds) on the inside, while the outside offers extreme scratch and chemical resistance. The anti-fogging properties are permanent even after repeated cleaning. The lenses are also easy to clean and less susceptible to dirt due to the non-stick nanotechnology.

uvex **supravisión sapphire** coated lenses offer excellent scratch resistance.

-15%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
blue	transparent/UV 2-1.2, sv excellence	1	4.664 173	11,60	9,86
grey	transparent/UV 2-1.2, sv sapphire	1	4.664 174	10,10	8,59
grey	amber/UV 2-1.2, sv excellence	1	4.664 175	13,10	11,14

LLG-Safety Eyeshields lady



Slim Fit

LLG
LABWARE



- CE approved to EN166 and EN170
- Panoramic wrapping lens
- 180° visual field
- Frame made of tested hypo-allergenic material
- Temples with rubber tips, adjustable in length and inclination
- Nosepad and terminal tips made from soft, moldable material for optimal comfort and individual customisation
- 100 % UV protection (up to 400 nm)
- Weight only 25 g

-15%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
white/green	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 007	10,50	8,93
white/pink	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 008	10,50	8,93
black/green	clear, AF, AS, 2C-1.2 U 1 FT CE	1	9.006 009	9,10	7,74

Eye Wash Bottle, 0.9 % NaCl, Sterile

STERILE

plum

- 500 ml wash bottle (time approx. 2 minutes) saline solution (0.9 %), conforming to the natural salinity of the eye
- Ergonomic eye cup - keeps the eyes open during application
- According to DIN EN 15154-4
- Shelf life: 3 years



-15%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
500	1	9.733 793	13,20	11,22

Eyewash Bottle pH-Neutral, Sterile

STERILE

plum

A small, handy bottle containing 4.9 % sterile phosphate buffer solution, that neutralises the eye's fluid after accidents involving acids and alkalis.

- rinsing time: about 2 minutes
- according to DIN EN 15154-4
- shelf life: 3 years



-15%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
200	1	9.733 788	12,10	10,29

Precision Wipes, KIMTECH SCIENCE*, 1-ply

Kimberly-Clark
PROFESSIONAL

Exceptional
Workplaces

Precision tissue wipes for critical cleaning, lint-free, highly absorbent and strong, even when wet. 1-ply, white.



-15%

Dimensions	Package contents	PK	Cat. No.	Price	Now
mm				EUR	EUR
304 x 304	Box of 196 wipes	1	9.413 020	16,10	13,69
115 x 215	Box of 280 wipes	1	9.413 021	7,25	6,16

LLG-Disposable Gloves *ergo*, Nitrile, Powder-Free

EN 374 EN 374 EN 420



- Very Comfortable to Wear
- Safe Grip
- Cost Efficient



The *ergo* disposable, protective, nitril gloves combine the comfort and "feel" of latex with the physical and chemical endurance of nitrile, with no risk of allergies. The ideal glove for all applications requiring high tactile sensation and protection against chemicals.

- Thin - very comfortable to wear

- Excellent tactile sensitivity - similar to latex
- Tried and tested quality product made of nitrile
- Excellent resistance to skin irritants in foodstuffs
- Specially formulated for a more resilient glove
- For single use in applications with an increased need for safety when handling chemicals

- Free from phthalates/softeners and allergenic latex proteins
- Easy to wear and particularly skin-friendly through special finishing process
- Colour: Lavender Blue
- Suitable for areas subject to HACCP standards
- **Cat. III low chemical resistant. AQL 1.5**

According to ASTM F 1671 (ISO 16604) for protection against viral penetration.

According to EN 420 and DIN EN ISO /IEC 17025, DIN EN 45011. Suitable for food handling.

Glove shape:

flat with rolled edge
(ambidextrous)

Material:

nitrile

Colour:

lavender blue

Outside:

textured fingers

Inside:

powder-free halogenated

Size/total length:

XS, S, M, L, XL/med. 240 mm

Thickness

(measured in double layer): 0.12 mm

Advantage Pack

Size	PK	Cat. No.	Price
			EUR
S	10 x 200	9.006 371	89,00
M	10 x 200	9.006 372	89,00
L	10 x 200	9.006 373	89,00
XL	10 x 180	9.006 374	89,00

LLG-Glove Dispenser, Coated Wire



Dispenser for 3 boxes, with top or front insert. Mounting material included.

Dispenser for 1 box, with top or side slot. Mounting material included.



9.405 371



9.405 372

-20%

For	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
					EUR	EUR
3 Boxes, 250 x 80 mm	front insert	260 x 90 x 440	1	9.405 369	28,60	22,88
3 Boxes, 255 x 85 mm	top insert	265 x 95 x 400	1	9.405 370	25,70	20,56
1 Box, 72 mm depth	top/side insert	180 x 85 x 140	1	9.405 371	15,40	12,32
1 Box, 135 x 85 mm	side insert	265 x 100 x 155	1	9.405 372	21,90	17,52

Syringe Filters



CHROMAFIL®, Cellulose mixed ester (MV)



Hydrophilic membrane. This membrane is recommended for all filtrations of aqueous or polar organic samples.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
25	0.45	PP-colourless/yellow	-	100	9.049 032	134,00	93,80

CHROMAFIL®, Glass-fibre (GF)



Inert Filter, nominal pore size 1 µm, allows higher flow rates than smaller pore filters; for solutions with high loads of particulate matter or for highly viscous solutions (e. g. soil samples, fermentation broths) as prefilters for other CHROMAFIL® filters, they prevent plugging of the membrane.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
25	1.00	PP-yellow/black	-	100	9.049 078	134,00	93,80

CHROMAFIL®, Polyester (PET)



Hydrophilic membrane for polar as well as non-polar solvents. The HPLC filter, especially suited for mixtures of water and organic solvents; for TOC/DOC determination; not cytotoxic, does not inhibit the growth of microorganisms and higher cells.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
15	0.20	PP-yellow/orange ¹⁾	-	100	9.049 065	134,00	93,80
15	0.45	PP-colourless/orange ¹⁾	-	100	9.049 066	134,00	93,80
25	0.45	PP-colourless/orange	-	100	9.049 069	134,00	93,80
25	0.45	PP-colourless/orange	-	400	9.049 070	488,00	341,60

¹⁾ with mini tip outlet

CHROMAFIL®, Polyamide (PA)



Hydrophilic membrane. The membrane is recommended for filtration of medium polar organic/aqueous liquids.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
25	0.45	PP-colourless/green	-	100	9.049 051	134,00	93,80

LLG-Syringe Filters *SPHEROS*



- **Top Quality at a Top Price**
- **Tested by an Independent Analytical Laboratory**



Cost-effective syringe filters for filtration of a broad variety of solvents and aqueous or inorganic solutions. These syringe filters cover most applications in HPLC, pharmaceutical, environmental, biotechnology, and food and beverage testing laboratories.

- Robust Polypropylene housing
- Multifunctional syringe filters with female Luer-Lock inlet and male Luer-Slip outlet
- Suitable for all syringes with Luer connection
- Sterile or non-sterile
- Sterile products in individual hard blister packaging and dispenser box



Cellulose Acetate (CA)



Hydrophilic membrane for filtration of aqueous liquids. Low protein binding capacity. Especially suitable for biological macromolecules, water soluble oligomers and polymers. With female Luer-Lock inlet and male Luer-Slip outlet. Sterile products in individual hard blister packaging and dispenser box.



-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, red	-	100	6.272 802	77,00	53,90
13	0.45	PP, red	-	100	6.272 803	77,00	53,90
25	0.22	PP, red	-	50	6.272 804	47,00	32,90
25	0.45	PP, red	-	50	6.272 805	47,00	32,90
13	0.22	PP, red	+	100	6.272 806	109,00	76,30
13	0.45	PP, red	+	100	6.272 807	109,00	76,30
25	0.22	PP, red	+	45	6.272 808	47,00	32,90
25	0.45	PP, red	+	45	6.272 809	47,00	32,90

Polyamid/Nylon (NY)



Hydrophilic membrane for filtration of aqueous and organic/aqueous liquids with medium polarity. Very good chemical resistance to esters, alkaline solutions and alcohols. With female Luer-Lock inlet and male Luer-Slip outlet.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, pink	-	100	6.272 810	77,00	53,90
13	0.45	PP, pink	-	100	6.272 811	77,00	53,90
25	0.22	PP, pink	-	50	6.272 812	47,00	32,90
25	0.45	PP, pink	-	50	6.272 813	47,00	32,90

PTFE



Hydrophobic membrane for filtration of non-polar liquids and gases. Very good chemical resistance to all kinds of solvents and alkaline solutions. With female Luer-Lock inlet and male Luer-Slip outlet.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, white	-	100	6.272 816	77,00	53,90
13	0.45	PP, white	-	100	6.272 817	77,00	53,90
25	0.22	PP, white	-	50	6.272 818	47,00	32,90
25	0.45	PP, white	-	50	6.272 819	47,00	32,90

LLG-2in1 KITS



2in1 KITS contain 100 vials and 100 closures in a PP Box. As both components are always required at the same time, 2in1 KITS are a convenient way to store all required items for analysis, with all advantages of sourcing individual components (cleanroom packaging of the vials, packaging is reclosable, etc.).



LLG-2in1 KITS with Screw Neck Vials ND8 (small opening)

-15%

Description	Capacity	Cover type	PK	Cat. No.	Price	Now
clear	ml	Screw Cap, black, hole, Silicon white / PTFE red	100	6.238 965	EUR 30,10	EUR 25,59

LLG-2in1 KITS with Short Thread Vials ND9 (wide opening)

-15%

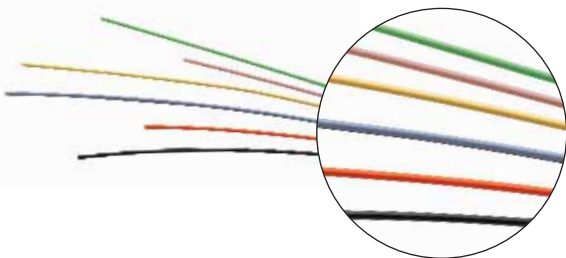
Description	Cover type	PK	Cat. No.	Price	Now
clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	EUR 28,70	EUR 24,40
clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	EUR 27,90	EUR 23,72
amber, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	6.266 871	EUR 30,40	EUR 25,84

LLG-2in1 KITS with crimp neck vials ND11 (wide opening)

-15%

Description	Cover type	PK	Cat. No.	Price	Now
clear	Crimp Cap, silver, hole, Natural Rubber red-orange / TEF transparent	100	6.257 139	EUR 17,20	EUR 14,62

Tubing, PEEK



Tubing made of Polyetheretherketone (PEEK), good chemical resistance, pressure stable up to 480 bar (7.000 psi, 48.000 kPa), up to max. 100 °C, colour coded.

-5%

Int. diam. mm	Ext. diam. mm	Length m	Colour	PK	Cat. No.	Price EUR	Now EUR
0.13	1.6	1.5	red	1	4.662 782	18,30	17,39
0.18	1.6	1.5	yellow	1	4.662 783	18,30	17,39
0.25	1.6	1.5	blue	1	4.662 784	13,20	12,54
0.13	1.6	3	red	1	4.662 785	36,50	34,68
0.18	1.6	3	yellow	1	4.662 786	36,50	34,68
0.25	1.6	3	blue	1	4.662 787	26,40	25,08
0.13	1.6	15	red	1	4.662 788	182,50	173,38
0.18	1.6	15	yellow	1	4.662 789	182,50	173,38
0.25	1.6	15	blue	1	4.662 790	131,70	125,12
0.13	1.6	30.5	red	1	4.662 791	237,30	225,44
0.18	1.6	30.5	yellow	1	4.662 792	237,30	225,44
0.25	1.6	30.5	blue	1	4.662 793	171,20	162,64

Accessories for PEEK Tubing



Fingertight fittings for HPLC tubing made of PEEK.

-5%

Type	Pressure max. bar	PK	Cat. No.	Price EUR	Now EUR
1/16" ... 10-32 UNF	345	10	4.664 157	EUR 95,00	EUR 90,25
1/32" ... 10-32 UNF (long)	345	10	4.664 158	EUR 95,00	EUR 90,25
1/32" ... 10-32 UNF	345	10	4.664 159	EUR 100,00	EUR 95,00
1/32" ... 6-40 UNF	190	5	4.664 160	EUR 91,80	EUR 87,21

GC SGE Syringes for autosampler



SGE MS syringe and needle range:

Designed to improve the sensitivity of your MS results. The ultra smooth removable needles enable reduced non-specific sample interaction and increased analyte recovery.

SGE Syringe Range:

Reduced carryover, adhesive contamination, and sample interaction, improved solvent resistance, these syringes are designed and tested to meet critical specifications and offer a very high level of Durability, Clarity and Accuracy.

SGE autosampler syringes:

Designed and tested to meet critical autosampler specifications. The unique plunger design minimizes bending and seizing, and the cone tip needle point style has been developed specifically to withstand multiple fast septum injections.

- With fixed or removable needle
- Two different needle diameters and tapered needles
- High reproducibility, low carry-over



- The First Choice for GC Users
- High Solvent Resistance
- Low Carry-Over

-15%

For manufacturers/models	Capacity	Needle length	Gauge (OD)	Needle Type	PK	Cat. No.	Price	Now
	µl	mm	mm				EUR	EUR
Agilent 7673, 7683, 6850	10	42	23-26s (0.63/0.47)	fixed	1	6.226 427	47,00	39,95
	10	42	23s (0.63)	fixed	6	6.050 962	247,00	209,95
CTC: CombiPal, GC PAL	10	50	26 (0.47)	fixed	1	7.671 795	64,00	54,40
CTC: Thermo TriPlus	5	50	23 (0.63)	fixed	1	7.607 298	98,00	83,30
	5	50	26 (0.47)	fixed	1	7.900 714	97,00	82,45
	10	50	23 (0.63)	fixed	1	7.656 984	81,00	68,85
	10	50	23 (0.63)	fixed	1	7.607 297	67,00	56,95
	10	50	23 (0.63)	fixed	6	9.221 291	242,00	205,20
	10	50	26 (0.47)	fixed	6	7.612 636	287,00	243,95
	10	50	26 (0.47)	removable	1	7.628 769	73,00	62,05
	10 (Gas tight)	50	26 (0.47)	fixed	1	9.221 289	59,00	50,15
	10 (Gas tight)	50	26 (0.47)	removable	1	7.629 523	98,00	83,30
	25 (Gas tight)	50	23 (0.63)	fixed	1	7.628 136	89,00	75,65
CTC: Thermo AS3000, AS2000, AS200/80; Bruker (Varian)	10	50	26 (0.47)	removable	1	6.269 487	98,00	83,30
Shimadzu AOC14, AOC17, AOC20	5	42	23s (0.63)	fixed	1	6.205 990	102,00	86,70
Perkin-Elmer	5	70	23s (0.63)	fixed	1	9.221 282	97,00	82,45
	5	70	26s (0.47)	fixed	1	9.221 281	99,00	84,15
	5 (Gas tight)	70	23s (0.63)	fixed	1	6.204 955	98,00	83,30

LLG-Qualitative Filter Paper, circles



**Very fast, pore size
12 to 15 µm**

- For coarse and voluminous
precipitates like hydroxides
and sulphides

-20%

Diam. mm	Filtration time secs.	PK	Cat. No.	Price EUR	Now EUR
90	10	100	9.045 830	9,55	7,64
110	10	100	9.045 831	11,30	9,04
125	10	100	9.045 832	14,40	11,52
150	10	100	9.045 833	17,80	14,24
185	10	100	9.045 834	22,30	17,84

LLG-Qualitative Filter Paper, folded filters



**Medium fast, pore size
5 to 8 µm**

- For fast filtration with
fine particles

-20%

Diam. mm	Filtration time secs.	PK	Cat. No.	Price EUR	Now EUR
70.0	50	100	7.659 027	27,50	22,00
125.0	50	100	9.045 825	28,90	23,12
150.0	50	100	9.045 826	30,90	24,72
185.0	50	100	9.045 827	34,20	27,36
240.0	50	100	6.242 632	51,60	41,28

Funnels, DURAN®



DIN ISO 4798. With short stem.
Glass Type I/neutral glass as per
USP, EP and JP. Autoclavable.

-10%

Diam. mm	For filter paper diam. mm	Height mm	DIN	PK	Cat. No.	Price EUR	Now EUR
35	45 - 55	60	4798	1	9.251 123	10,20	9,18
45	55 - 70	80		1	9.251 128	10,50	9,45
55	70 - 90	95	4798	1	9.251 133	17,20	15,48
70	110 - 125	125		1	9.251 138	15,00	13,50
80	125 - 150	140		1	9.251 141	18,20	16,38
100	150 - 185	180	4798	1	9.251 146	17,10	15,39
120	185 - 240	210		1	9.251 023	20,90	18,81
150	240 - 270	265	4798	1	9.251 157	30,40	27,36
200	320 - 385	325		1	9.251 161	66,00	59,40
300	500	409		1	9.251 169	126,20	113,58

Funnel Stands LaboPlast®, PP



- Easy and Flexible Height Adjustment
- Comfortable and Smooth Operation



White, unbreakable, chemically resistant.
For 2 or 4 funnels. 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.

-10%

To hold funnels piece	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
2	140 x 300 x 480	1	9.069 922	67,90	61,11
4	150 x 550 x 500	1	9.069 924	118,80	106,92

Aspirator Carboys, Type 2319, 2250, with handle, PP



Thermo
SCIENTIFIC



With 83 mm diameter neck, screw cap and shoulder handles. Graduated. For nutritive media, distilled water or other solutions. Leakproof. Not for use with aggressive substances. Neck also accepts stoppers, 36 mm in height and a top/bottom diameter of 75/62 mm. Autoclavable - for best results, autoclave using a properly vented closure.

-25%

Type	Description	Capacity	PK	Cat. No.	Price	Now
		Litres			EUR	EUR
2319	with stopcock	10	1	9.002 721	112,20	84,15
2319	with stopcock	20	1	9.002 722	140,10	105,08
2319	with stopcock	50	1	9.002 723	248,70	186,53
2250	without stopcock	10	1	9.011 102	62,00	46,50
2250	without stopcock	20	1	9.011 103	105,00	78,75
2250	without stopcock	50	1	9.011 104	183,80	137,85

Spray Bottles, PP



VITLAB
Competence in Labware

Transparent bottles made from PP. Sprayer insert with stable, smooth pump trigger and adjustable spray nozzle, which can be regulated from the finest mist (nebulising) to a precise liquid jet. Range: approx. 3-4 meters.

-15%

Capacity	Colour	PK	Cat. No.	Price	Now
ml				EUR	EUR
1000	transparent with imprint "Ethanol"	1	6.281 023	11,40	9,69

LLG-Narrow-Mouth Bottles with cap, LDPE, economy pack



Transparent with cap.

-30%

Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
100	47.0	18	105	20	9.073 501	16,00	11,20
250	63.0	25	119	10	9.073 502	15,00	11,13
500	78.0	25	152	10	9.073 503	23,00	16,73
1000	96.0	28	206	4	9.073 504	46,00	11,20

LLG-Sample Containers, PP, with screw cap, PP



White, with screwed-on lid.

-30%

Capacity	Height	Ø with Cover	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
30	19	58	10	9.402 310	11,40	7,98
75	47	58	10	9.402 313	11,80	8,26
310	81	81	10	9.402 318	19,20	13,44
600	67	119	10	9.402 321	21,30	21,91
1250	130	119	5	9.402 324	22,10	15,47

LLG-Disposable Reagent Reservoirs
economy, PS



Made from polystyrol. Designed for use with multi-channel pipettes and can accommodate up to 12-channel standard pipettes. Angled sides and a V-shaped bottom allow maximum recovery of reagents. All reservoirs have internal graduated volume lines and pour-spouts on the corners. 25 ml or 50 ml versions. Available as sterile and non-sterile.

-45%

Capacity	Sterile	Package contents	PK	Cat. No.	Price	Now
ml					EUR	EUR
25	-	bulk	100	6.282 144	43,20	23,76
25	+	single packed	100	6.282 145	88,20	48,57
50	-	bulk	100	6.282 146	55,60	30,58
50	+	single packed	100	6.282 147	115,10	63,31

Optifit Tips in FlexiBulk Pack



Compatible with other
Pipette Brands



FlexiBulk packs comprise the same high-quality tips as Sartorius Optifit Tips available in tip racks and refill packages. Optifit Tips provide the following advantages:

- Perfect fit and seal with Sartorius pipettes to ensure the highest possible accuracy and precision
- Ergonomic and light tip attachment and ejection enabled by the Optiload feature in Sartorius Picus® NxT, Picus®, eLINE®, mLINE® and Proline® Plus pipettes
- Compatible with most other pipette brands
- The environmentally friendly PET packs are 100 % suitable to be used as energy waste
- Compliance with ISO 9001, ISO 14001 and ISO 13485 quality standards
- Free of RNase, DNase and endotoxins

-35%

Capacity	Length	Pack size	PK	Cat. No.	Price	Now
µl	mm				EUR	EUR
0.5-200	51	1 box of 960	960	7.661 472	30,20	19,63
5-350	54	1 box of 960	960	6.288 468	34,20	22,23
10-1000	71.5	1 box of 480	480	6.269 234	16,10	10,47
50-1200	71.5	1 box of 480	480	6.272 394	21,10	13,72

Pipette stand Universal for single and
multi-channel Microliter Pipettes



For all common Pipette Brands



- Holds up to 8 single-channel, 4 multi-channel, or a combination of both pipettes.
- Compatible with all pipette brands
- Inserts on the upper holders can be added or removed to accommodate the fit of different pipette widths
- Weighted base allows for easy one-handed removal or replacement of pipettes
- Pipettes are held in a vertical position to help prevent contamination
- Assorted colour options allow for colour coding pipette location
- Dimensions (W x H): 229 x 408 mm

-15%

Colour	Lower Holder	Upper Holder	PK	Cat. No.	Price	Now
					EUR	EUR
Assorted*/clear	8 x clear	8 x clear / 8 x assorted	1	6.290 241	84,10	71,49
Purple/clear	8 x purple	8 x purple / 8 x clear	1	6.290 246	84,10	71,49
Blue/green	8 x blue	8 x blue / 8 x green	1	6.290 247	84,10	71,49

*purple, yellow, red, orange, green, grey, clear, blue

Single Channel Microliter Pipettes Acura® manual 825/835, variable



- Smart and Reliable Volume Settings
- Easy Tip Ejection
- Ergonomic Design



The latest Acura® manual pipette line was built with the same attention to detail that made the brand famous over several instrument generations. Introducing a smooth, modern design with easy volume reading. It also features a number of innovations enabling safe and easy, high performance pipetting.

- Effortless activation
- Smart and reliable volume adjustment
- Precision digital display visible at all times
- Justip™ adjustable tip ejector fitting most tips
- Swift-set user calibration system
- Shock, UV-light and autoclaving resistance
- Three-year warranty

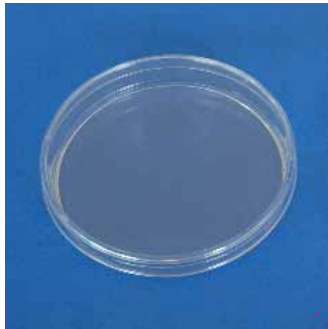
-15%

Type	Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	PK	Cat. No.	Price	Now
	µl	µl					EUR	EUR
825	0.1-2	0.002	2.0	1.5	1	9.411 590	209,00	177,65
825	0.5-10	0.01	1.0	0.5	1	9.411 591	209,00	177,65
825	1-10	0.01	1.0	0.7	1	9.411 592	196,00	166,60
825	2-20	0.02	1.0	0.5	1	9.411 593	196,00	166,60
825	5 - 50	0.1	1.0	0.4	1	9.411 594	196,00	166,60
825	10-100	0.1	0.8	0.2	1	9.411 595	196,00	166,60
825	20-200	0.2	0.6	0.2	1	9.411 596	196,00	166,60
825	100-1000	1	0.5	0.2	1	9.411 597	196,00	166,60
835	200-2000	0.002	0.5	0.2	1	6.230 186	209,00	177,65
835	500-5000	0.01	0.6	0.3	1	9.411 598	215,50	183,18
835	1000-10000	0.01	0.5	0.2	1	9.411 599	215,50	183,18

LLG-Petridishes, PS



- Produced in Clean Room ISO 6
- Premium Quality at a Top Price



Made of high quality optical clear polystyrene. Produced under aseptic conditions in an ISO 6 cleanroom. (Contact plate with counting grid).

- With a smooth surface for an optimal distribution of the transport medium
- Stable thickness to prevent any deformations while in use
- Stackable
- With or without vents
- Aseptic (90 mm diam.) or beta irradiated sterile versions (all sizes)
- Packed in sleeves to 10 or 20 dishes (90 mm diam. dishes)

-30%

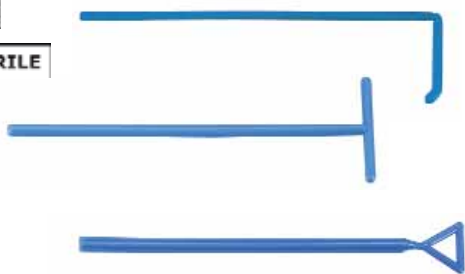
Ext. diam. mm	Height approx. mm	Description	Sterile	PK	Cat. No.	Price EUR	Now EUR
90	16	with triple vents	*	480	6.285 823	45,70	31,99
90	16	without vents	*	480	6.285 824	44,30	31,01
90	16	with triple vents	+	480	6.285 816	62,10	43,47
90	16	without vents	+	480	6.285 817	62,10	43,47
60	14	with triple vents	+	1000	6.285 818	123,70	86,59
60	14	without vents	+	1000	6.285 819	123,70	86,59
55	17	contact plate	+	1000	6.285 821	225,70	157,99
150	19	with triple vents	+	180	6.285 822	140,70	98,49

* aseptic

LLG-Spatulas, sterile



STERILE



Ideal for the uniform spreading of cell cultures and liquids.

- Smooth, rounded surfaces for uniform spreading without scratching the agar surface
- Ethylene oxide sterilized
- Sterile, 10 per bag or individually packed
- Autoclavable

-30%

Description	Width mm	Length mm	Material	Package contents	PK	Cat. No.	Price EUR	Now EUR
L-shaped	38	156	ABS	50 x 10 bags	500	6.265 638	47,60	33,32
L-shaped	38	156	ABS	individually packed	500	6.265 639	62,30	43,61
T-shaped	34	140	ABS	50 x 10 bags	500	6.265 640	47,60	33,32
T-shaped	34	140	ABS	individually packed	500	6.265 641	62,30	43,61
Delta-shaped	30	208	PP	100 x 10 bags	1000	6.265 642	167,80	117,46

Inoculating Turntable



Manually operated turntable guarantees smooth and easy rotation in both directions. Also enables easy and fast allocation of bacteria across petri dish surface. Double-sided construction accommodates petri dishes from 60 to 150 mm diameter by inverting the turntable. Ball bearings provide smooth and effortless spinning, ensuring rapid inoculation steps and extended operation life. Light weight but robust body manufactured from aluminum with non-skid feet. The silicone pad holds the petri dishes firmly and always keeps the dish centered during inoculation steps. The non-skid pad can easily be removed for fast and efficient cleaning.

-30%

Description	PK	Cat. No.	Price EUR	Now EUR
Inoculating Turntable	1	6.286 850	230,30	161,21

LLG-Inoculation loops, sterile

STERILE



High Quality



Uniform surface wetting and complete transfer of the liquid. The inoculation loops are available as more rigid versions (PS) or flexible versions (HIPS). Smooth edges ensure gentle agar treatment.

- Ethylenoxid sterilized
- Colour coded
- Hexagonal handle for easy handling
- Length: 173 mm
- Package contents: 50 bags of 20 pieces

-30%

Capacity µl	Material	Colour	PK	Cat. No.	Price EUR	Now EUR
1	PS	transparent	1000	6.290 917	48,00	33,60
10	PS	green	1000	6.290 918	48,00	33,60
1	HIPS	yellow	1000	6.290 919	48,00	33,60
10	HIPS	white	1000	6.290 920	48,00	33,60

LLG-Disposable Plastic Cells, PS

- Cavity sorted
- Glass clear polystyrene (PS)
- Applicable wavelength range 340 nm to 900 nm
- Very low variation of extinction values
- Excellent optical transmission range
- Styrofoam racks: 100 cuvettes in a styrofoam box with cover



-45%

Description	Capacity ml	Path length mm	Operating range nm	PK	Cat. No.	Price EUR	Now EUR
Macro	4.0	10	340 to 900	100	9.406 011	24,30	13,37
Semi-micro	1.6	10	340 to 900	100	9.406 012	26,90	14,80

Cuvette Rack with attached lid, PP

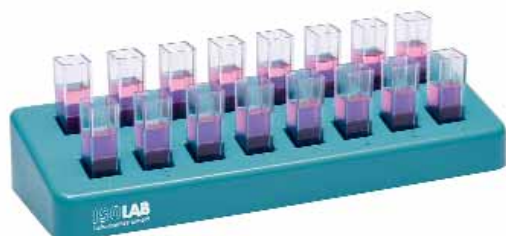
ISOLAB
Laborgeräte GmbH

For safe handling and holding up to 12 cuvettes with a 10 mm light path. These racks consist of hinged lids with secure clasps and removable inserts for easy cleaning.

-20%

Description	PK	Cat. No.	Price EUR	Now EUR
Cuvette rack with attached lid	1	6.267 353	15,10	12,08

Cuvette Rack, PP

ISOLAB
Laborgeräte GmbH

For safe handling and holding of 16 spectrophotometer cuvettes with 10 mm width. Alphanumerical index on cuvette rows enables easy identification of tube positions. 2 tier body form offers clear visibility option from horizontal direction. Autoclavable (121 °C).

-20%

Length mm	Width mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
210	70	35	1	6.286 844	10,00	8,00

Scanning Spectrophotometers
Series 72, VIS and UV-Vis

JENWAY

Scanning
Spectrophotometer
with Diode Array
Technology

Scanning spectrophotometers from Jenway for measurements in the visible and UV range.

Model 7200 (VIS): wavelength range of 335 to 800 nm with a spectral bandwidth of 7 nm.

Model 7205 (UV-VIS): wavelength range of 198 to 800 nm with a spectral bandwidth of 5 nm.

The 72 series spectrophotometers offer measurement modes for single wavelength with basic absorbance and % transmittance; concentration determination, full spectrum scanning and kinetics for up to 3 simultaneous wavelength measurements.

- Scanning diode array detector (DAD)
- Colour Touchscreen navigation on 4" Display
- Small footprint and lightweight
- Fast scan speed
- Also for measurements in test tubes
- 2 year warranty on the instrument

Specifications

Optical system:	Single beam
Wavelength Range:	
7200 (VIS):	335 to 800 nm
7205 (UV-VIS):	198 to 800 nm
Resolution:	±2 nm
Repeatability:	±2 nm
Spectral bandwidth:	
7200 (VIS):	7 nm
7205 (UV-VIS):	5 nm
Light source:	
7200 (VIS):	Tungsten halogen lamp
7205 (UV-VIS):	Xenon Lamp
Outputs:	2 x USB
Dimension (W x D x H):	212 x 422 x 120 mm
Weight:	2.8 kg
Power supply:	100-240 V, 50/60 Hz
Warranty:	2 Years

-15%

Description	PK	Cat. No.	Price EUR	Now EUR
Spectrophotometer 7200 (VIS)	1	6.283 459	1.963,00	1.668,55
Spectrophotometer 7205 (UV-VIS)	1	6.286 777	2.580,00	2.193,00

LLG-Electrode Stand for 3 electrodes



With cable duct. For three electrodes, 3 opening with diam. 16 mm. Additional opening for temperature sensor. Three joints for high flexibility and adjustment options.

Base plate:	105 x 125 mm
Base plate weight:	0.7 kg
Arm weight:	0.1 kg
Max. arm height:	320 mm

-20%

Type	PK	Cat. No.	Price	Now
LLG-Electrode stand	1	6.286 248	EUR 80,00	EUR 64,00

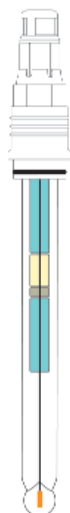
pH Combination Electrodes with gel electrolyte

SI Analytics

Low-maintenance pH combination electrode for use in water management and process chemistry. Not refillable.

- With glass shaft and Silamid® reference
- Gel electrolyte with visible KCl reserve
- With factory test certificate 2.1 for pressure and temperature resistance

Scope of delivery: Electrode with screw plug head (Pg 13.5 installation thread), HD seal, connection cable.



-20%

Specifications

Temperature range:	-5 ... 80 °C
Pressure range	1 ... 12 bar
pH range:	2 ... 12
Length/diam.:	120 mm/12 mm
Electrolyte:	Gel
Diaphragm:	Ceramic
Membrane shape:	Sphere
Membrane resistance at 25 °C:	30 MΩ

Type	PK	Cat. No.	Price	Now
L7781 HD	1	7.070 780	EUR 199,00	EUR 159,20

pH-Electrodes, BlueLine, not refillable

SI Analytics



Established Quality

Low-maintenance pH combination electrode with plastic body, Ag/AgCl reference system. With fixed cable, length 1 m (BlueLine 24 pH IDS 1.5 m). BlueLine 22 pH with plug head (LB 1A or LB 1BNC cable combination please order separately).

Specifications

Temperature range:	-5 to 80 °C
pH range:	0 to 14 pH
Zero point:	pH=7.0 ±0.3
Length/diam.:	120/12 mm
Electrolyte:	Gel
Diaphragm:	Fibre
Membrane shape:	Cylindrical
Membrane resistance at 25 °C:	400 MΩ



-20%

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
BlueLine 22 pH	-	Plug head	1	9.041 147	EUR 95,80	EUR 76,64
BlueLine 24 pH	NTC 30 kΩ	DIN + Banana	1	9.041 149	EUR 193,00	EUR 154,40
BlueLine 28 pH	Pt 1000	DIN + Banana	1	7.075 024	EUR 193,00	EUR 154,40

pH Electrodes BlueLine, refillable

SI Analytics



Established Quality

pH combination electrode with glass body, Ag/AgCl reference system. With fixed cable, length 1 m (BlueLine 14 pH IDS 1.5 m). BlueLine 11 pH with screw head (LB 1A or LB 1BNC cable combination please order separately).

Specifications

Temperature range:	-5 to 100 °C
pH range:	0 to 14 pH
Zero point:	pH=7.0 ±0.3
Length/diam.:	120/12 mm
Electrolyte:	Liquid, KCl 3 mol/l
Diaphragm:	Platinum
Membrane shape:	Conical
Membrane resistance at 25 °C:	250 MΩ
Refill hole cover:	Slide



-20%

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
BlueLine 11 pH	-	Plug head	1	9.041 140	EUR 136,00	EUR 108,80
BlueLine 12 pH	-	DIN	1	9.041 141	EUR 141,00	EUR 112,80
BlueLine 14 pH	NTC 30 kΩ	DIN + Banana	1	9.041 143	EUR 219,00	EUR 175,20

LLG-pH-Buffer Solutions with colour coding



- Accuracy ± 0.01 pH
- With Certificate of Analysis



The ready-to-use buffer solutions offer excellent quality, precision and advantages in use. The calibration vessel, integrated into the twin-neck dispensing bottles, allows the particularly economical dispensing of solution and prevents contamination.

Features

- Accuracy ± 0.01 pH, tested and certified at 25 °C
- Temperature dependence data table printed on the label
- Traceable to NIST
- Shelf-life: 24 months (pH 7 and 10) or 36 months (pH 4)
- from date of production
- Colour-coded

-20%

Capacity	Colour	pH-value	PK	Cat. No.	Price	Now
ml		at 25 °C			EUR	EUR
250	red	4.00	1	9.040 868	8,90	7,12
250	yellow	7.00	1	9.040 869	8,90	7,12
250	blue	10.00	1	9.040 871	8,90	7,12

LLG-Universal Indicator Strips, in vial with snap lid "Premium"



Single Hand Use

Flip-top vial is easy to open and close with one hand. The new LLG pH strips offer the utmost convenience and ease of use in laboratory-grade testing. With a single colour match and a 12 mm reagent pad, these universal pH strips (0.0-14.0) belong in every lab.

- pH measuring range: 0 - 14.0
- 12 mm matching area for quick matches,
- Flip-top vial stays closed when dropped, but is easy to open with one-hand
- Vial keeps strips safe from the elements
- 1 pack (vial) of 100 strips

-20%

Range	Package contents	PK	Cat. No.	Price	Now
pH				EUR	EUR
0 - 14	100 strips per vial with snap lid	100	9.129 808	13,90	10,40

Universal Indicator Paper Tritest L



For determination of pH value. Roll length 5 m, 14 mm width. With 3 colour zones and 2 hydrophobic zones. The zones are separated by a hydrophobic barrier, which effectively prevents mixing of the reaction colours and increases mechanical stability. Plastic container with 1 roll of indicator paper and colour scale.

-20%

Description	Range	PK	Cat. No.	Price	Now
Dispensing reel with 1 roll	pH 1 - 11	1	9.130 360	16,50	13,20

Special Indicator Paper



For determination of pH value. Plastic dispensing reel with 1 roll of indicator paper and colour scale.

-20%

Description	Range	PK	Cat. No.	Price	Now
Roll 5 m	pH 5.5 - 9.0	1	9.130 325	9,50	7,60
Further indicator papers available on request.					

Heating Circulator Bath DYNEO™ DD



NEW



With Bath Cover



DD-BC6



DD-BC26.D

For internal and external applications. With powerful components and a large, easy-to-read coloured TFT display. Operation is simple and intuitive via the central controller on the front of the device. Equipped with USB interface and with additional analogue (extra code A) or RS232 (extra code D) interface.

- Easy switching between internal and external circulation
- Integrated cooling coil for counter-cooling
- Built-in drain tap
- Integrated programmer
- Class III (FL) acc. to DIN 12876-1
- Continuously adjustable, powerful pressure pump
- Pump connections M16x1 (outer thread)
- External Pt100 sensor connection

Specifications	
Operating temperature range:	20 ... 200 °C
Temperature stability:	0.01 °C
Heating capacity:	2 kW
Flow rate:	22 l/min
Pump capacity:	0.6 bar
Power supply:	200-230 V, 50/60 Hz

2 hose connectors for 8 and 12 mm I.W. and bath lid included.

-10%

Type	Capacity	Bath opening	Bath tank depth	Weight	PK	Cat. No.	Price	Now
	L	mm	mm	kg			EUR	EUR
DD-BC4	3.0 - 4.5	130 x 150	150	8.50	1	4.663 221	2.423,00	2.180,70
DD-BC6	4.5 - 6.0	130 x 150	200	9.70	1	4.663 222	2.645,00	2.380,50
DD-BC12	8.5 - 12.0	220 x 150	200	11.90	1	4.663 223	2.856,00	2.570,40
DD-BC26	19.0 - 26.0	260 x 350	200	18.70	1	4.663 224	3.120,00	2.817,00
DD-BC4.A	3.0 - 4.5	130 x 150	150	8.50	1	4.663 234	2.783,00	2.504,70
DD-BC6.A	4.5 - 6.0	130 x 150	200	9.70	1	4.663 235	3.005,00	2.704,50
DD-BC12.A	8.5 - 12.0	220 x 150	200	11.90	1	4.663 236	3.216,00	2.894,40
DD-BC26.A	19.0 - 26.0	260 x 350	200	18.70	1	4.663 237	3.490,00	3.141,00
DD-BC4.D	3.0 - 4.5	130 x 150	150	8.50	1	4.663 247	2.643,00	2.378,70
DD-BC6.D	4.5 - 6.0	130 x 150	200	9.70	1	4.663 248	2.865,00	2.578,50
DD-BC12.D	8.5 - 12.0	220 x 150	200	11.90	1	4.663 249	3.076,00	2.768,40
DD-BC26.D	19.0 - 26.0	260 x 350	200	18.70	1	4.663 250	3.350,00	3.015,00

Floating Tube Racks, PE

Polyethylene foam. Resistant to water absorption so racks can be washed and reused. Ideal for floating tubes in water baths, tubs, or beakers. Racks include detachable carrying handles, to lift samples out of baths easily.

-15%



Type	For tubes	Colour	Array	PK	Cat. No.	Price	Now
	ml					EUR	EUR
Diamond	50	green	4	5	6.238 546	25,20	21,42
Parallelogram	15	blue	8	5	6.238 547	33,40	28,39
Rectangle	1.5 to 2.0	yellow	24	5	6.238 545	39,80	33,83
Round	0.2/0.5/1.5 to 2	blue	18	5	6.240 378	40,10	34,09



Incubation and Inactivation Bath



- Large Colour Display
- Short Heating Times



Water Baths in different sizes with stainless steel interior, lid, and integrated drain cock. Menu-guided operation and control via large, high-contrast TFT colour display. Direct heating system for short heat-up times.

- 3 application-specific timer functions
- Visual and acoustic alarms
- Process-specific temperature adjustment
- 2 independent over-temperature cut-outs
- Specially designed lid prevents dripping back of condensate
- Type 1112/1113 with rotary magnet circulation system
- Compatible with existing accessories

Specifications

Operating temperature range:

Operating temperature range type 1112/1113:

Temperature accuracy at 50 °C:

Power supply:

RT + 5 ... 100 °C

RT + 10 ... 100 °C

±0.1 K

230 V, 50 ... 60 Hz



NEW

-5%

Type	Capacity	Bath opening	Height of the work area	Dimensions (W x D x H)	Heating capacity	PK	Cat. No.	Price	Now
	L	mm	mm	mm	W			EUR	EUR
1102	8	245 x 200	165	340 x 395 x 275	1.0	1	4.663 369	857,00	814,15
1103	16	400 x 245	165	500 x 400 x 275	1.5	1	4.663 370	967,00	918,65
1104	24	600 x 245	165	700 x 400 x 275	1.5	1	4.663 371	1.099,00	1.044,05
1105	41	410 x 296	335	510 x 490 x 465	1.5	1	4.663 372	1.222,00	1.160,90
1108	22	400 x 245	225	500 x 440 x 345	1.5	1	4.663 373	1.022,00	970,90
1112	8	245 x 200	165	340 x 395 x 345	1.0	1	4.663 374	1.070,00	1.016,50
1113	16	400 x 245	165	500 x 440 x 345	1.5	1	4.663 375	1.220,00	1.168,50

LLG-Floating Pellets, PP

Pellets with 20 mm diameter. Can cover 0.1 m².

Protect against evaporation and rapid temperature loss.

Decreases hazardous vapors. Resistant against most acids, bases, solvents and mineral oils.

Temperature stable up to +100 °C.



-20%



Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Floating pellets	250	6.266 611	28,90	23,12

Control Seals for sampling, close-it

close-it is an aluminium-backed, vapour-proof adhesive label with extremely strong adhesion. Sacks, boxes etc. which have been pierced with samplers can be hermetically resealed. They can even adhere to slightly moist or dusty sacks coated with fine powders, e.g. plaster, flour etc.

close-it food & pharma ensures the necessary success when resealing sample openings, as it reliably prevents products from escaping after sampling. The adhesive complies with the European guidelines for foodstuffs. Just like the original, close-it food & pharma has a barrier layer of aluminium foil, which makes the close-it food & pharma perfectly suited to sampling foodstuffs, pharmaceuticals, cosmetics, food additives - any applications in which the product must not be contaminated by contact with the adhesive.



-20%

Type	Description	Colour	PK	Cat. No.	Price	Now
					EUR	EUR
close-it	Printed, 95 x 95 mm	Red	500	9.303 910	57,10	45,68
close-it	Printed, 95 x 95 mm	Green	500	9.303 911	57,10	45,68
close-it	Printed, 95 x 95 mm	Blue	500	9.303 913	57,10	45,68
close-it	Printed, 95 x 95 mm	Black	500	9.303 914	57,10	45,68
close-it	Plain, 95 x 95 mm	White	500	9.303 915	57,10	45,68
close-it Maxi	Printed, 150 x 150 mm	Red	250	9.303 980	80,00	64,00
close-it Maxi	Plain, 150 x 150 mm	White	250	9.303 985	80,00	64,00
close-it food & pharma	Printed, 95 x 95 mm	Blue	500	9.303 997	57,10	45,68
close-it food & pharma Maxi	Printed, 150 x 150 mm	Red	250	9.303 990	80,00	64,00

Whirl-Pak® Sample Bags, PE, sterile, free standing

STERILE



The Whirl-Pak® Stand-Up Bags make sample handling and testing much easier. They give users the ability to perform important laboratory functions with both hands, because the bag will stand completely by itself. No rack or other holder is needed to keep the bag upright. When the sample is placed inside, the specially gusseted bottom flattens out, allowing the bag to stand up on its own. It works just like a beaker or bottle, however, it costs less, is sterilized, won't break, and uses only a fraction of the storage space the other containers would occupy. The white, easy-to-write-on strip makes sample identification easier and more convenient. Bags should not be used at temperatures above 82 °C. Bags can be frozen to any temperature, even liquid nitrogen temperatures down to -210 °C - careful handling required after freezing.

Nasco

-20%

Description	Filling volume approx ml	Dimensions (D x W) mm	Thickness mm	PK	Cat. No.	Price	Now
						EUR	EUR
with label, free standing	532	115x230	0.076	500	9.404 232	147,00	117,60

Whirl-Pak® Sample bags, PE, sterile

STERILE

Whirl-Pak® bags are sterile polyethylene laboratory sample bags used to transport samples for biological testing and other applications. Available with or without write-on strip. Bags should not be used at temperatures above 82 °C. Bags can be frozen to any temperature, even liquid nitrogen temperatures down to -210 °C - careful handling required after freezing.



Nasco

-20%

Description	Filling volume approx ml	Dimensions (D x W) mm	Thickness mm	PK	Cat. No.	Price	Now
						EUR	EUR
with label	58	75 x 125	0.057	500	7.058 005	72,00	58,32
with label	118	75 x 185	0.057	500	7.077 212	81,60	65,28
with label	532	115 x 230	0.064	500	7.058 120	106,80	85,44
with label	710	150 x 230	0.076	500	6.242 083	128,60	110,88
with label	5441	380 x 508	0.102	100	6.257 989	140,00	119,20
without label	58	75 x 125	0.057	500	6.091 055	68,30	54,64
without label	710	150 x 230	0.076	500	6.228 639	134,80	107,84
without label	2041	190 x 380	0.076	500	6.305 117	201,60	161,28

Multi-Purpose Beakers, PP



Transparent, pressure-resistant and unbreakable sample cup, ideal for collecting and storing samples of all types. Can be ordered with and without screw cap.

- Graduated
- Solid and stable
- Writing field on the cup and labeling area on the lid
- Wide opening for easy and safe filling
- Fluid tight sealing screw cap with thread

-20%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Beaker 125 ml, PP, with screw cap, green, HDPE	500	6.238 122	58,40	46,72
Beaker 125 ml, PP, without screw cap	1000	6.237 981	65,20	52,16
Screw lid, green, HDPE	1000	6.237 982	48,70	38,96

Disposable Samplers DispoSampler, PE-HD



In numerous situations, rapid and contamination-free samples must be taken. DispoSamplers are ideal for this application. They are cleanroom-manufactured, individually-packed and ready-to-use. Avoid expensive decontamination or cleaning of soiled samplers. Gamma-sterilised versions are also available.

ViscoDispo:

For high viscosity-media up to 100.000 mPas.

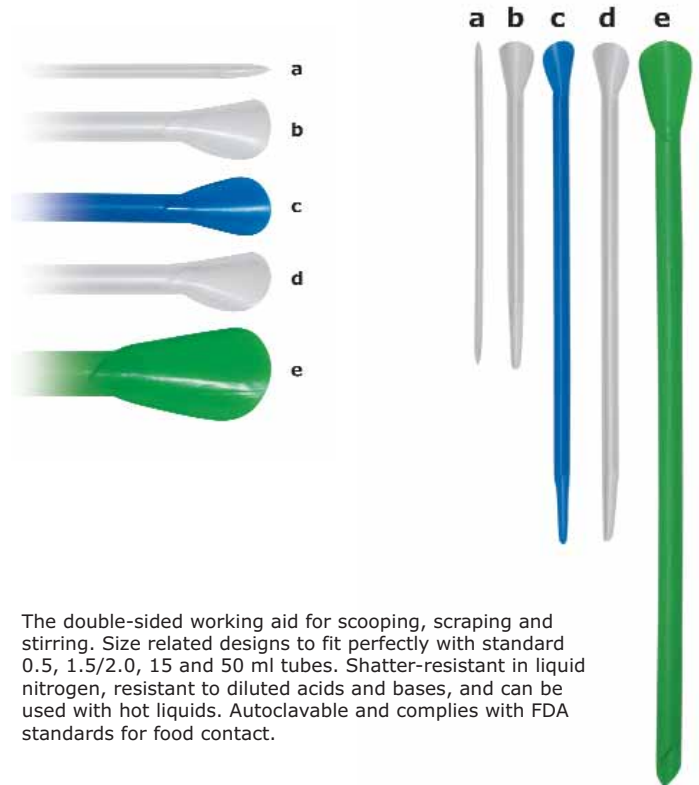
LiquiDispo:

For liquids and slightly viscous media.

-20%

Type	Sterile	Capacity	Length	PK	Cat. No.	Price	Now
		ml	mm			EUR	EUR
ViscoDispo	-	100	500	20	9.303 732	141,60	113,28
ViscoDispo	-	200	1000	20	9.303 734	175,10	140,08
LiquiDispo	-	100	500	20	9.303 720	141,60	113,28
LiquiDispo	+	100	500	20	9.303 721	125,40	100,32

Powder Spatula smartSPATULAS®, PP



The double-sided working aid for scooping, scraping and stirring. Size related designs to fit perfectly with standard 0.5, 1.5/2.0, 15 and 50 ml tubes. Shatter-resistant in liquid nitrogen, resistant to diluted acids and bases, and can be used with hot liquids. Autoclavable and complies with FDA standards for food contact.

-20%

For tubes	Description	Colour	Diam.	Length	Figure	PK	Cat. No.	Price	Now
ml			mm	mm				EUR	EUR
0.2	Micro Antistatic	Natural	3.5	140	a	300	6.256 896	33,50	26,80
15/1.5/2.0	Standard	Blue	7.0	210	c	300	6.256 893	47,30	37,84
15/1.5/2.0	Standard	Natural	7.0	210	d	300	6.256 895	47,30	37,84
50	Macro	Green	1.0	310	e	150	6.256 897	52,40	41,92

Dispensing Scoops, stainless steel



Remanit® 4301

-20%

Capacity	Diam.	Length	Overall	PK	Cat. No.	Price	Now
ml	mm	Scoop mm	length mm			EUR	EUR
120	50	100	190	1	9.201 219	13,80	11,04
450	75	145	250	1	9.201 222	15,70	12,56
1000	105	190	320	1	9.201 232	18,80	15,04
1500	120	240	350	1	9.201 235	22,50	18,00

Mini Centrifuges LLG-uniCFUGE 2 and LLG-uniCFUGE 2/5



- Compact and Inexpensive
- 2 Speeds and 2 Rotor Types



LLG-uniCFUGE 2



LLG-uniCFUGE 2/5

A compact and reasonably priced mini centrifuge with two rotor types. Speed can be adjusted to 4000 rpm or 6000 rpm. Powerful motor for fast starting. Quick stop when the lid is opened.

LLG-uniCFUGE 2 with **Universal rotor** for 6 x 1.5/2.0 ml and 6 x 0.5 ml tubes and 2 times 8 x 0.2 ml PCR-strips.

LLG-uniCFUGE 2/5 with **rotor for 4 x 5 ml tubes**.

Specifications

Max. RCF:	1200 xg and 2000 xg
Max. speed:	4000 rpm and 6000 rpm
Max. load:	6 x 0.5/1.5/2 ml and 2 x 8-tube PCR strips (0.2 ml) // 4 x 5 ml tubes
Dimensions (diam. x H):	140 x 120 mm
Weight:	0.7 kg
Power supply:	100 - 240 V, 50/60 Hz, 1 A



Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniCFUGE 2 with universal rotor with EU-plug	1	6.263 510	195,00	136,50
LLG-uniCFUGE 2/5 with rotor for 5 ml Tubes with EU-plug	1	6.263 515	195,00	136,50

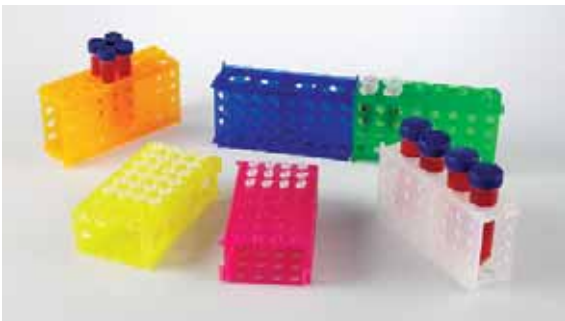
Microtube Racks, PP, 4-Way



Racks feature a unique system of tabs and slots, which facilitate easy assembly and sturdy fit to build as large as rack as you need. Heavy-duty polypropylene racks can hold 4 x 50 ml or 12 x 15 ml conical tubes, 32 x 1.5 ml or 32 x 0.5 ml microtubes. Autoclavable. Dimensions (L x W x H): 175 x 95 x 51 mm.



Colour	PK	Cat. No.	Price	Now
			EUR	EUR
Natural	1	9.409 131	8,40	6,72
Blue	1	9.409 132	8,40	6,72
Green	1	9.409 133	8,40	6,72
Pink	1	9.409 134	8,40	6,72
Yellow	1	9.409 135	8,40	6,72
Orange	1	9.409 136	8,40	6,72
Blue, green, pink, yellow, orange	5	9.409 137	41,90	33,52





Centrifuge Tubes for your Laboratory

LLG-Centrifuge Tubes, 5ml, PP



The LLG-Centrifuge tubes represent the perfect solution for all laboratory applications requiring incubation, centrifugation and sample handling for intermediate volume ranges. The LLG centrifuge tubes are available in clear, and amber for use with light sensitive samples, and as an assorted colour pack (green, blue, yellow and red).

- Max. 25.000 x g, suitable for high speed centrifugation
- Graduations every 0.25 ml for easy volume estimation
- A flat, frosted cap and large writing pad for sample labeling and identification
- Autoclavable
- Fits all rotors and racks that hold 15 ml conical tubes, no adapters needed
- Certified free of RNase and DNase

-15%

Description	Package contents	PK	Cat. No.	Price	Now
				EUR	EUR
Clear	1 bag of 250 pieces	250	6.281 113	38,00	32,30
Amber	1 bag of 250 pieces	250	6.281 115	38,00	32,30
Colour assortment	4 bags of 50 pieces	200	6.281 114	33,00	28,05
green, yellow, red, blue (1 colour per bag)					

LLG-Microcentrifuge Tubes, PP



LLG Microtubes cover standard volumes for a variety of sample tests. They are available in 0.5 ml, 1.5 ml and 2.0 ml volumes. These standard Microtubes withstand high centrifugal forces, are temperature and chemically-resistant and guaranteed leak-free. An innovative and modern new generation of Microtubes with new features. Perfect sealing qualities, excellent chemical stability and optimal construction materials guarantee even better resistance to centrifugal and chemical forces. Easy to open and to close thanks to the improved lid geometry. For visual volume control the 1.5ml tubes are equipped with graduations at 0.5 ml, 1.0 ml and 1.5 ml. The 2.0 ml tubes have graduations at 0.5 ml, 1.0 ml, 1.5 ml and 2.0 ml. The 0.5 ml tubes have no graduations. Certified DNase-, RNase- and pyrogen free.

Clear, in bags. Suitable for microbiology. Guaranteed metal-free.

Specifications

Autoclavability

Temperature:	121 °C (250 °F)
Pressure:	1.05 bar or 15 psi
Time:	20 min or less

Centrifugation

Fixed angle rotor:	25000 x g
Swing out rotor:	70000 x g

-15%

Form	Volume	PK	Cat. No.	Price	Now
	ml			EUR	EUR
conical	0.5	1000	9.409 023	24,20	20,57
conical	1.5	1000	9.409 024	19,20	16,32
round	2.0	1000	9.409 025	21,50	18,28

LLG-Centrifuge Tubes economy, PP



- With flat PE caps
- With conical bottom (15 and 50 ml) or with self-standing bottom (50 ml)
- Easy-to-read black volume graduations
- With a large frosted writing area
- Engraved graduation at the conical bottom of each tube
- Max rotate speed up to 12.000 x g for conical bottom tubes and 6.000 x g for self-standing tubes
- Autoclavable at 121 °C and freezable to -80 °C
- Leak-proof
- Free of heavy metals, pyrogens and endotoxins
- DNase/RNase-free
- Bulk packed

-15%

Form	Capacity	Height	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
conical	15	119.6	500	6.270 403	85,00	72,25
conical	50	113.9	500	6.270 404	110,00	93,50
with rim	50	116.5	500	6.270 405	140,00	119,00



Heating Ovens, ED, FD, FED series - Avantgarde.Line



- **Great Temperature Accuracy**
- **Established Quality**

The drying chambers with natural convection or forced convection are renowned due to their design, convenient operation and efficiency. The APT.line™ technology offers outstanding temperature accuracy.

Equipment:

- Temperature range series ED: room temperature plus 5 °C to 300 °C with natural convection
- Temperature range series FD, FED: room temperature plus 10 °C to 300 °C with forced convection
- Controller with LCD display
- Electromechanical control of the exhaust air flap
- 2 chrome-plated racks included
- Class 2 independent temperature safety device (DIN 12880) with visual temperature alarm
- USB port for recording data



-10%

Type	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Temp. range °C	PK	Cat. No.	Price EUR	Now EUR
ED 56	360 x 380 x 420	560 x 565 x 625	RT + 5 ... 300	1	4.658 061	1.182,00	1.063,80
ED 115	510 x 425 x 530	710 x 605 x 735	RT + 5 ... 300	1	4.658 059	1.743,00	1.568,70
ED 260	610 x 550 x 760	810 x 760 x 965	RT + 5 ... 300	1	6.280 292	2.258,00	2.032,20
FD 56	400 x 345 x 440	560 x 565 x 625	RT + 10 ... 300	1	6.280 069	1.561,00	1.404,90
FD 115	550 x 385 x 550	710 x 605 x 735	RT + 10 ... 300	1	4.658 060	2.148,00	1.933,20
FD 260	650 x 515 x 780	810 x 760 x 965	RT + 10 ... 300	1	6.280 362	3.556,00	3.200,40
FED 56	400 x 345 x 440	560 x 565 x 625	RT + 10 ... 300	1	6.280 295	2.098,00	1.888,20
FED 115	550 x 385 x 550	710 x 605 x 735	RT + 10 ... 300	1	6.280 284	2.794,00	2.514,60
FED 260	650 x 515 x 780	810 x 760 x 965	RT + 10 ... 300	1	6.280 296	4.077,00	3.669,30

Drying Oven 125 control dry

IKA®



NEW

Powerful drying cabinet with rapid heating and exact temperature regulation guarantees reproducible results. Thanks to its high-quality insulation, the device has a very large interior of 125 litres in relation to its total volume. This structure also reduces odour emissions, operating costs, and ensures excellent temperature uniformity.

- With recirculating air up to 300 °C
- Electronically adjustable ventilation
- Key lock function
- Timer from 1 minute up to 100 days
- Adjustable temperature limit
- USB Interface
- Fits up to 6 shelves
- Interior made of stainless steel
- Door opening possible up to max. 180°
- Recirculating air-drying cabinet with automatic fan switch-off
- Recirculating air adjustable in 10 steps
- Real-time clock
- Temperature selection limited TWB (DIN 12880)
- Illuminated interior
- Cable bushing at the rear for measuring inside the oven
- RS 232 Interface
- Direct saving of data on USB stick
- Interface for additional temperature sensor (display and control possible)
- 2 large TFT Displays

Scope of delivery: Oven with 2 shelves and factory calibration certificate at 160 °C



Specifications

Internal volume:	125 litre
Ambient temperature:	5 ... 40 °C
Working temperature:	RT+ 5 ... 300 °C
Adjustment and display resolution:	0.1 K
Temperature stability (150 °C):	±0.3 K
Ambient humidity:	80 %
Heating power:	2400 W
Outer Dimensions (W x D x H):	700 x 650 x 825 mm
Inner Dimensions (W x D x H):	550 x 525 x 450 mm
Weight:	82 kg
Power supply:	230 V, 50/60 Hz
Protection class:	IP 20

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Oven control dry	1	4.663 261	2.999,00	2.699,10
Oven control dry - glass	1	4.663 262	3.299,00	2.969,10

Aluminium Containers, round



-10%

Capacity	Top diam.	Bottom diam.	Fill height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
28	64	51	13	100	9.106 240	11,60	10,44
110	80	56	34	100	9.106 241	17,50	15,75
110	99	70	25	100	9.106 242	17,10	15,39
125	96	78	24	100	9.106 261	22,60	20,34
280	114	58	50	50	9.106 263	16,20	14,58

Molecular Model System Molymod®



The Molymod® system is a unique system of high quality molecular models. The set consists of a variety of atom parts and links designed to make a large number of possible structures relevant to a specific chemistry subject or use, e.g. Biochemistry, Organic or Inorganic. All sets are fully compatible. Atom parts are made of solid clouded plastic spheres. They are available with holes from 1 to 6 in the usual angular orientations.

-20%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
Introductory Set	48 atoms, 62 links	1	9.883 101	26,90	21,44
Organic Set, large	111 atoms, 140 links	1	9.883 103	54,40	43,52
Biochemistry Set, large	257 atoms, 160 links	1	9.883 107	102,40	81,92
Organic Set, small	50 atoms, 64 links	1	9.883 108	27,00	21,60
Inorganic/Organic Set, small	51 atoms, 38 links	1	9.883 109	27,20	21,76
Inorganic/Organic Set, large	106 atoms, 86 links	1	9.883 104	54,00	43,20

Aluminium Containers, square, with lid



-10%

Capacity	Dimensions top (D x W)	Dimensions bottom (D x W)	Fill height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
250	128 x 103	93 x 67	34	100	6.226 802	38,30	34,47
500	191 x 127	156 x 92	29	60	9.106 266	28,20	25,38

Laboratory Trays LaboPlast®, PP



White multi-purpose trays. Injection-moulded. Durable and resist flexing, with strong, rounded rim. Stackable and hygienic. Polished surface is easy-to-clean. Resistant to many acids and alkaline solutions. Food-safe.

-10%

Dimensions (W x D x H)	Internal dimensions	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
230 x 180 x 42	130 x 180	1	9.200 203	4,90	4,41
310 x 250 x 65	180 x 240	1	9.200 204	8,70	7,83
370 x 310 x 75	240 x 300	1	9.200 205	12,70	11,43
520 x 420 x 120	300 x 400	1	9.200 206	20,60	18,54
634 x 534 x 140	400 x 500	1	9.200 207	35,70	32,13
846 x 648 x 160	500 x 700	1	9.200 208	52,10	46,89

Pioneer® PX analytical balances



- **Introductory Price**
- **The Affordable Solution for Simple Weighing Applications**

High-performance, economical scales with high accuracy and repeatability for applications in laboratories, industry and education. With robust cast metal lower housing, removable stainless-steel weighing pan and intuitive operation. For basic weighing, parts-counting, percent weighing, dynamic weighing and density determination.



- 2-line, backlit LCD display
- 4 quick keys enable the most common weighing modes
- Wind shield
- USB and RS 232 interface for data exchange with PCs and PLCs
- User-selectable span calibration points
- Real-time clock with GLP/GMP data
- Integrated weigh-below-hook
- Models with internal and external calibration available
- Auto-tare
- Many weighing units selectable, a custom unit can be defined
- Models with removable draft shield with static removal bar made from ABS
- Overload, underload and stability indicator
- 4 menu languages



Product Video

Specifications

Permissible ambient temperature range:	10 ... 30 °C
Dimensions (W x D x H):	209 x 309 x 321 mm
Weight:	4.5 kg
Power supply:	100 ... 240 V/50 ... 60 Hz



-15%

Type	Plate diam. mm	Weighing range g	Readability	Reproducibility g	Linearity ± g	PK	Cat. No.	Price EUR	Now EUR
Pioneer® PX85	80	82	0.00001 g	0.00002	0.0001	1	4.663 322	2.610,00	2.218,50
Pioneer® PX124	90	120	0.0001 g	0.0001	0.0002	1	4.663 327	1.320,00	1.122,00
Pioneer® PX224	90	220	0.0001 g	0.0001	0.0002	1	4.663 330	1.425,00	1.211,25
Pioneer® PX323	120	320	0.001 g	0.001	0.002	1	4.663 333	975,00	828,75
Pioneer® PX523	120	520	0.001 g	0.001	0.002	1	4.663 336	1.025,00	879,75

Cleanroom-Swabs



Cleanroom Swabs with polypropylene shaft and rounded head made of almost particle-free polyurethane or polyester.

- Material shaft: PP
- Cleanroom Class: ISO 5

-20%

Length	Head size	Material Head	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
125	12.7 x 25	PU-foam	100	4.659 074	26,40	21,12
125	12.7 x 25	Polyester	100	4.659 075	20,00	16,00
162	6.8 x 16.8	PU-foam	100	4.659 076	17,00	13,60
162	6.8 x 16.8	Polyester	100	4.659 077	17,00	13,60
70	4.0 x 12.0	Polyester	100	4.659 078	7,90	6,32
70	3.5 x 11.0	PU-foam	100	4.659 079	7,90	6,32
70	3.5 x 11.0	Polyester	500	4.659 080	54,70	43,76

Cleanroom Wipes ASPURE, Polyester



Extremely low particle number and evaporation residues. Laser-cutting techniques minimise the formation of dust and lint on cutting edges. The use of polyester long fibers prevents the generation of lint.

- Knitted made of 100 % polyester
- Lasercut
- Double packed
- Cleanroom Class: ISO 5

-20%

Dimensions	Package contents	PK	Cat. No.	Price	Now
mm				EUR	EUR
229 x 229	10 x 150 pieces	150	4.659 070	35,20	28,16

Cleanroom Gloves Niprotect 529, nitrile, powder-free

EN 374 EN 374



- Extra Long Cuff
- Textured Fingertips

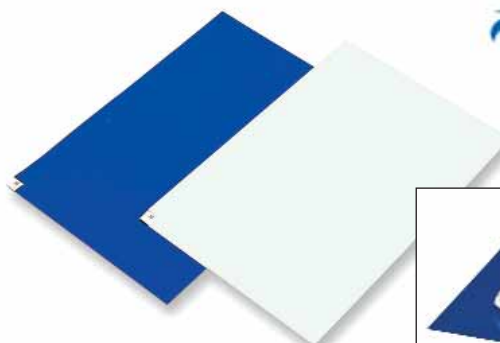
Reinforced mechanical resistance for short-term operations. Length: 30 cm. Thickness: 0.1 mm. Manufacturing process guarantees a very low level of contaminants: rates of particles, non-volatile residue, extractables; compatible with ISO 5 class (Class M3.5 for International system). 100 % nitrile formula enables anti-static properties. Protection against accidental chemical splashes. Recommended for people who are sensitive to the proteins in natural latex. Packaging: 100 gloves/bag

- Cat. III

-5%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
6	100	6.270 501	24,90	23,66
7	100	6.270 502	24,90	23,66
8	100	6.270 503	24,90	23,66
9	100	6.270 504	24,90	23,66
10	100	6.270 505	24,90	23,66

Adhesive Mats



If the top adhesive mat is soiled, you can simply remove this layer and work directly on the next one of the stack. The number of remaining mats on the stack is indicated by the number in the corner. 30 layers.

-20%

Dimensions (D x W)	Colour	PK	Cat. No.	Price	Now
mm				EUR	EUR
450 x 900	blue	10	4.659 087	150,00	120,00
600 x 900	blue	10	4.659 088	170,00	136,00
600 x 1200	blue	10	4.659 089	180,00	144,00
600 x 900	white	10	4.659 090	170,00	136,00
600 x 1200	white	10	4.659 091	180,00	144,00
450 x 900	white	10	4.659 092	150,00	120,00

Overhead Stirrer LLG-uniSTIRRER OH2, digital

Cost efficient laboratory stirrer designed for simple stirring tasks for quantities up to 20 l (H₂O). Automatic speed adjustment in the range between 50 and 2200 rpm via microprocessor-controlled technology. Safety circuits ensure automatic cut-off in an anti-stall or overload situation. Actual and set speed are constantly monitored ensuring no undesired speed variations even if the sample viscosity changes.

- Brushless, maintenance-free motor
- Digital speed display
- **Display for speed or torque changeable**
- Infinitely adjustable speed
- **Overload protection**
- Slim casing
- Quiet operation
- Error code display
- RS232 port

Stand:

Stainless steel stand incl. boss head,
dimension (W x D x H): 200 x 310 x 780 mm

Stirrer:

4-blade propeller stirrer, stainless steel, shaft length 400 mm,
stirrer diameter 50 mm

Scope of delivery: Overhead stirrer LLG-uniSTIRRER OH2,
stand and 4-blade-propeller stirrer.

Specifications

Max. stirring quantity (H ₂ O):	20 l
Speed range:	50 to 2200 rpm
Max. viscosity:	10.000 mPas
Motor rating input/output:	60/50 W
Speed display accuracy:	3 rpm
Max. torque at stirring shaft:	40 Ncm
Display:	LCD
Chuck range:	0.5 to 10 mm
Dimensions (W x D x H):	83 x 186 x 220 mm
Power supply:	110 - 240 V, 50/60 Hz
Protection class:	IP 21

-20%

Type	PK	Cat. No.	Price	Now
LLG-uniSTIRRER OH2 with EU-plug	1	6.263 455	EUR 775,00	EUR 620,00



- **Switchable Display for Speed and Torque**
- **Stirring Volume Up To 20 l**

Beakers Glass, DURAN®, low form



DIN 12331. ISO 3819.

With approximate graduations and spout.

With easy-to-read scale and large labelling field for easy marking, that have been fired-on, highly durable white ceramic. Suitable for use as a heating vessel, due to the uniform wall thickness. Glass Type I/neutral as per USP, EP and JP. With retrace code (Batch Identification, for all) except 5 ml, 10 ml and 25 ml. Certificate available via the Internet. Autoclavable.

-20%

Nominal capacity	Diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
25	34	50	1	9.013 014	7,00	5,60
50	42	60	1	9.013 017	6,60	5,28
100	50	70	1	9.013 024	6,60	5,28
150	60	80	1	9.013 029	6,95	5,56
250	70	95	1	9.013 036	7,20	5,76
400	80	110	1	9.013 041	8,70	6,96
600	90	125	1	9.013 048	9,55	7,64
1000	105	145	1	9.013 054	15,10	12,08
2000	132	185	1	9.013 063	24,70	19,76

Digital Pocket Thermometer TDC 200



-ebro-
a xylem brand

- Measuring range -50 °C to +300 °C
- Large Display and Visual Alarm

- Large illuminated display
- Adjustable limit values; visual and acoustic alarm
- Hold- and auto-off function
- Exchangeable probe
- Fixed probe, pointed
- Exchangeable batteries



Special Price !

Specifications

Accuracy: ±0.8 °C or ±0.8 %, with the bigger value being applicable

Operating Temperature: -20 °C ... 50 °C

Resolution: 0.1 °C

Power Supply: 2 x type AAA (incl.)

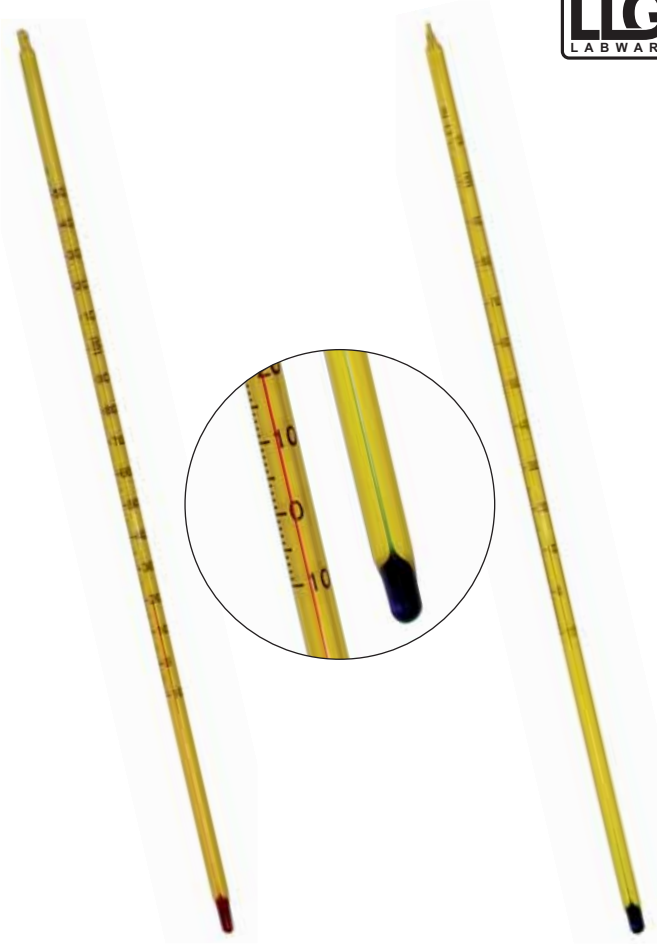
Protection class: IP 65 (DIN EN 13485)

Temperature probe: Needle diam. 3 to 6 mm, length 100 mm

Type	PK	Cat. No.	Price	Now
TDC 200	1	9.908 028	84,00	67,20

-20%

LLG-General Purpose Thermometers
economy



Solid stem, with loop, capillary yellow enameled, graduation resistant against acids and alkalis. Red filling or environmentally friendly blue filling.

- diam. x length: 6 x 300 mm

-30%

Charge colour	Immersion depth	Measuring range °C	Graduations °C	PK	Cat. No.	Price EUR	Now EUR
red	total	-10 ... +50	1	1	9.237 010	7,70	5,39
red	total	-10 ... +100	1	1	9.237 011	8,40	5,88
red	total	-10 ... +150	1	1	9.237 012	9,20	6,44
red	total	-10 ... +200	1	1	9.237 013	9,20	6,44
red	total	-10 ... +250	1	1	9.237 014	14,70	10,29
blue	76 mm	-10 ... +110	0.5	1	9.237 016	9,70	6,79
blue	76 mm	-10 ... +150	1	1	9.237 017	9,70	6,79
blue	76 mm	-10 ... +360	2	1	9.237 019	14,90	10,43

Plastic Sleeves for laboratory thermometers



For safe storage of laboratory thermometers.

For	PK	Cat. No.	Price	Now
Ø 6-7 mm, length 200-380 mm	10	4.663 956	8,16	7,34
Ø up to 9 mm, length 200-380 mm	10	4.663 955	8,16	7,34
Ø up to 11 mm, length 250-450 mm	10	4.663 954	9,12	8,21

-10%



Turbidity Meter AL250T-IR



The compact Aqualytic® infrared turbidity meter AL250T-IR is designed to allow fast, precise on-site testing. Wide measuring range from 0.01 to 1.100 TE/F = NTU = FNU. Infrared measurements for coloured or colourless liquids.

- measuring ranges from 0.01 to 1.100 NTU (auto range)
- measurement with infrared light at an angle of 90°
- easy operation
- 600 tests between battery charges
- EN ISO 7027

Scope of supply: AL250T-IR turbidity meter as described above, complete with 4 turbidity standards <0.1, 20, 200 and 800 NTU, battery and case.

Specifications

Measurement cycle:	approx. 9 seconds
Display/Function:	LCD
Optics:	temperature-compensated LED and photosensor amplifier in waterproof sample chamber
Measuring range:	0.01 to 1.100 NTU (autorange)
Housing:	ABS
Dimensions (L x W x H):	190 x 110 x 55 mm
Weight (Basis unit):	approx. 0.4 kg
Temperature:	0 to 40 °C
Humidity (rel.):	30 to 90 % R.H.
CE-conformity:	DIN EN 50081-1, VDE 0839 part 81-1:1993-03, DIN EN 50082-2, VDE 0839 part 82-02:1996-02

-20%

Type	PK	Cat. No.	Price	Now
AL250T-IR	1	9.920 203	EUR 647,00	EUR 517,60

Sedimentation Cones, accessory stand, Acrylic/PP



Kartell

Acrylic/PP. To hold two Imhoff sedimentation cones. Compact and easy to transport even when fully loaded.

-20%

Width	Length	Height	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
150	300	300	1	9.304 281	EUR 92,80	EUR 75,04

Turbidity Meter TN100



Thermo
SCIENTIFIC

The waterproof Infra-Red Turbidity meter TN100 is easy-to-use.

- IP67 Waterproof and Dustproof, easy cleaning and maintenance
- Automatic Push-Button Calibration (4 points) for unprecedented full-range accuracy
- Power-saving feature allows over 1200 measurements
- Large Easy-to-Read Display for optimum viewing of measurements
- Meets Performance Criteria as specified by ISO 7027 (DIN EN 27027) method

Scope of supply: Turbidity meter with 4 calibration standards, 3 empty cuvettes, sturdy carrying case, batteries and instruction manual

Specifications

Turbidity range:	0 to 1000 NTU
Calibration Points:	4 points (automatic)
Response Time:	< 6 seconds for full step change
Calibration Standards:	0.02 NTU; 20.0 NTU; 100 NTU; 800 NTU
Light Source:	Infrared-emitting diode (850 nm)
Light Source Life:	> 1.000.000 tests
Power supply:	4 x 1.4 V batteries, > 200 h

-20%

Type	PK	Cat. No.	Price	Now
Turbidity meter TN100	1	6.205 327	EUR 696,00	EUR 556,80

Sedimentation Cone, plastic, SAN



Kartell

DIN 12672. Transparent SAN (Styrene acrylonitrile). With screw cap for draining the contents. Temperature-resistant up to max. 85 °C.

Graduations, ml:	Subdivisions, ml
0 to 2	0.1
2 to 10	0.5
10 to 40	1
40 to 100	2
100 to 1000	50

-20%

Type	Grad.	PK	Cat. No.	Price	Now
With screw cap	ml up to 1000	1	9.304 280	EUR 38,00	EUR 30,40

Measuring Cylinders, DURAN®, tall form, class A, blue graduation



HIRSCHMANN®

With spout and hexagonal glass base. With dated batch identification. IN (TD) calibrated. Declaration of conformity acc. to DIN 12600. Graduation in durable blue enamel, according to DIN EN ISO 4788. Batch calibration reports available.

-30%

Capacity	Grad.	Tolerance	Height	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
10	0.2	0.1	140	1	9.274 181	11,90	8,33
25	0.5	0.25	170	1	9.274 182	12,60	8,82
50	1	0.5	200	1	9.274 183	13,30	9,31
100	1	0.5	260	1	9.274 184	14,10	9,87
250	2	1.0	335	1	9.274 185	27,10	18,97
500	5	2.5	390	1	9.274 186	45,20	31,64
1000	10	5.0	470	1	9.274 187	69,90	48,93

Also available with dated batch identification acc. to USP (US Pharmacopeia).

Volumetric Flasks for determination of oil content, SILBERBRAND, Borosilicate glass 3.3



SILBERBRAND®

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.

-30%

Sample volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
100	1	9.276 880	93,20	65,24

Coloured Wash-Bottles, narrow-neck, PE- LD/PP



VITLAB®
Competence in Labware

Available in four different colours to facilitate ready identification. Screw cap and PP spray tube. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Capacity: 500 ml
Neck thread: GL 25
Height: 180 mm
Diam.: 74 mm

-20%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
red	5	4.664 278	24,30	19,44
green	5	4.664 281	24,30	19,44
yellow	5	4.664 282	24,30	19,44
blue	5	4.664 283	24,30	19,44

LLG-Surface Protector DescProtect



LLG®
LABWARE

DescProtect is a durable paper which quickly absorbs liquid spills. The PE-coated base layer stops liquids reaching the work surface.

- white surface can be written on using pens or pencils
- rapid absorption of liquid spills

Surface protection paper with two layers:

- **Layer 1:** Highly absorbent carrier paper, sucks up spilled toxic or radioactive liquids quickly
- **Layer 2:** Wetness impermeable polyethylene layer, protection for lab workbenches, trays or chemical cabinets
- Additional advantages: impermeable cover in animal cages, ideal in humidity chambers for atmospheric regulation

-30%

Type	Size	PK	Cat. No.	Price	Now
				EUR	EUR
Sheets	460 mm x 570 mm	50	9.160 270	41,60	29,12
Spool	400 mm x 50 m	1	9.160 271	81,80	57,26

Dual Short Period Timer TR 118 OS



- Large, 6-digit, LCD readout
- 2 separate timers in one instrument
- Countdown/countup 99 hrs. 59 mins. 59 secs.
- Clock function switch
- Audible alarm sounds when 'zero' reached
- With pocket clip/bench stand and magnet
- Supplied with AAA 1.5 V battery

Dimensions (W x H x D): 73 x 66 x 18 mm
Weight: 63 g

-20%

Type	PK	Cat. No.	Price	Now
TR 118 OS	1	9.260 186	EUR 25,50	EUR 20,40

Short Period Timer WB 388



Three separate timers in one instrument. Countdown/countup. Audible alarm sounds when 'zero' reached. 12/24 hour clock. Loud/soft alarm switch.

Dimensions (W x D x H): 83 x 22 x 70 mm
Weight: 80 g

-20%

Type	PK	Cat. No.	Price	Now
WB 388	1	9.260 184	EUR 25,40	EUR 20,32

LLG-Short Period Timer with alarm



Easy-to-use combination timer and stopwatch, with large display and alarm function from/up to 99 min. and 59 sec. With magnet for easy fixing. Battery LR 44 inclusive.

Dimensions (Ø x H): 54 x 16.5 mm
Weight: approx.40 g

-20%

Type	PK	Cat. No.	Price	Now
LLG-Short period timer with alarm	1	9.260 150	EUR 9,40	EUR 7,52

LLG-Timer with White Board, 4 channel



This four-channel timer has a built-in white board that helps keeping track of time and other critical information.

- Audible alarm for each channel
- Built-in white board and dry erase marker with eraser tip (included) helps keep track of crucial information
- Programs: hours/minutes; Displays: hours/minutes/seconds
- Maximum run time: 23 hours: 59 minutes
- Timer accuracy: ± 5 seconds/day
- Count direction: up/down; displays elapsed time after countdown
- Last time set memory
- Key-press confirmation feature gives an audible indication of data entry
- Lay flat on a bench, use the flip-open stand for a vertical view, or use the magnetic back for metal surface attachment
- Requires two AAA batteries (included)
- Individually tested, inspected, and calibrated using NIST
- Includes Certificate of Calibration with unique report number, stated corrections and standard used for the calibration, and multi-language instructions (English, French, German, Italian, Portuguese and Spanish)
- CE mark, RoHS compliant

Dimensions (W x D x H): 114.3 x 25.4 x 88.9 mm

-20%

Type	PK	Cat. No.	Price	Now
LLG Timer with White Board, 4 channel	1	6.266 706	EUR 25,40	EUR 60,32

LABORTOPS

Manual Serial Dispenser LLG-uniDISPENS pro


NEW

The **ergonomically designed** manual dispenser LLG-uniDISPENS pro enables single-handed volume selection, loading and dispensing. Due to its lightweight design, it is ideally suited for serial dosing. You can flexibly select your desired dosing volume from **120 dosing programs** for 12 tip sizes and with 10 stroke adjustments. You can view all settings and volumes at a single glance through the viewing window of the manual dispenser. The dispenser is compatible with Ritips® from Ritter, PD-Tips® from Brand, Combitips® and Combitips advanced® from Eppendorf™. Thanks to a purely mechanical, maintenance-free construction, the manual dispenser is a practical and convenient device for daily laboratory use.

Scope of delivery: Adapter for 25 ml tips included



- The Bestseller now available as **pro**
- 120 Dosing Programs selectable

-20%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniDISPENS pro	1	9.284 239	235,00	188,00

Dispenser tips Ritips® evolution

Universal dispenser tips for a variety of steppers. The nine tip sizes are equipped with colour-coded adapters for faster identification.

- Easy, high-precision work even in the low µl range
- Suitable for viscous, infectious and volatile liquids due to direct displacement method
- Tips individually and mechanically tested for safe and repeatable application
- Available in standard and bioclean® quality (individually wrapped and sterile)
- bioclean® label is certified by accredited laboratories and means sterilized, pyrogen-, ATP-, RNase- and DNA-free
- A batch certificate is available on request
- Lot number on each box

Suitable for Ripette®, Ripette®pro, Ripette®genX (Ritter), **LLG-uniDISPENS pro**, eLine™ Dispenser (Sartorius), Multipette®4780, Multipette®plus (Eppendorf), Minilab 100, Minilab 101, Minilab 201, Distriman® (Gilson), StepMate, EasyStep, EasyStep electronic, RepeatOne® (Starlab), Handrop, HandyStep®, HandyStep®S, HandyStep®electronic (Brand).

Please note: Dispenser tips 25 ml and 50 ml cannot be used without adapter. If necessary, please order Cat. No. 6.310 203 or 6.310 548 separately.


-20%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
0.1 ml / standard	100	6.291 326	68,00	54,40
0.2 ml / standard	100	6.291 327	68,00	54,40
0.5 ml / standard	100	6.291 328	68,00	54,40
1.0 ml / standard	100	6.291 329	68,00	54,40
2.5 ml / standard	100	6.291 330	68,00	54,40
5.0 ml / standard	100	6.291 331	68,00	54,40
10.0 ml / standard	100	6.291 332	68,00	54,40
25.0 ml / standard	25	6.291 333	19,75	15,80
50.0 ml / standard	25	6.291 334	20,75	16,60
0.1 ml / bioclean® sterile	100	6.291 335	124,00	99,20
0.2 ml / bioclean® sterile	100	6.291 336	124,00	99,20
0.5 ml / bioclean® sterile	100	6.291 337	124,00	99,20
1.0 ml / bioclean® sterile	100	6.291 338	124,00	99,20
2.5 ml / bioclean® sterile	100	6.291 339	124,00	99,20
5.0 ml / bioclean® sterile	100	6.291 340	124,00	99,20
10.0 ml / bioclean® sterile	100	6.291 341	124,00	99,20
25.0 ml / bioclean® sterile	25	6.291 342	26,00	28,80
50.0 ml / bioclean® sterile	25	6.291 343	38,75	31,00