



2026 Q3 Labortops

VALID UNTIL 30.09.2026

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PARTNER OF
LLG
Laboratory Supply Solutions

Laboratory bottles protect+ DURAN®, 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. 10 ml and 25 ml bottles with specially shaped glass edge for improved pouring. GL45.

- 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.	Price EUR	Now EUR
100	1	4.693 738	24.45	23.23
250	1	4.693 740	25.86	24.57
500	1	4.693 742	30.70	29.17
1000	1	4.693 744	42.30	40.19

Safety bottle carrier, PP



Bottle carrier made of thermoplastic elastomer (PP blend) for safe transport of bottles in laboratories. The ergonomic handle prevents hand fatigue and related accidents when carrying.

- Centring ring stabilises the bottle in the centre of the carrier
- Handle can be pushed down on both sides for easier loading and unloading
- With labelling field for easy identification

For bottles ml	Colour	Height mm	Diam. mm	PK	Cat. No.	Price EUR	Now EUR
1500	Red	165	114	1	4.688 196	59.91	50.92
1500	Black	165	114	1	4.688 197	59.91	50.92
1500	Blue	165	114	1	4.688 198	59.91	50.92
1500	Green	165	114	1	4.688 199	59.91	50.92
4500	Red	267	183	1	4.688 192	85.59	72.75
4500	Black	267	183	1	4.688 193	85.59	72.75
4500	Blue	267	183	1	4.688 194	85.59	72.75
4500	Green	267	183	1	4.688 195	85.59	72.75

LLG-Hand towel dispenser



White, plastic, easy to refill, lockable with a viewing window to check the fill level, for towels up to 245 mm wide. E.g. Order no.: 6.266 568

Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
280 x 137 x 375	1	7.618 375	43.82	37.25

LLG-Hand towels, 3-ply



Bright white, extra absorbent, completely unfolding, matching with most dispenser systems, economic use by high absorbency and comfortable size. Suitable for LLG-Dispenser for hand towels, Cat No 7.618 375. 20 Packs with 100 tissues.

Dimensions (D x W) mm	PK	Cat. No.	Price EUR	Now EUR
220 x 420	20	6.266 568	93.98	79.88



Microcentrifuge 5425/5425 R with FA-24x2 rotor and lid



- Including Rotor
- Max. Speed: 21,300 × g
- Soft-touch one-finger lid lock



The 5425 and 5425 R microcentrifuges are whisper-quiet and offer outstanding features for a wide range of molecular and cell biology applications in Eppendorf and PCR tubes from 0.2 to 5 ml. The refrigerated centrifuge 5425 R with its advanced cooling system offers precise temperature control for processing temperature-sensitive samples.

- With aerosol-tight FA-24x2 rotor and QuickLock® Pro lid
- Rotor for 24 × 1.5/2.0 ml tubes
- Outstanding software functions (e.g. adjustable acceleration and deceleration ramps, short function without constant key pressure)
- Extended rotor programme (e.g. 5.0 ml rotor, swing-out rotor for PCR strips)
- OptiBowl® design for quiet operation, even without rotor lid
- Soft-touch one-finger lid lock for ergonomic operation
- Max. Speed: 21.300 × g (15.060 rpm)

This centrifuge is a General Lab Product for research purposes only.

Type	Rotation speed rpm	With cooling	PK	Cat. No.	Price EUR
5425 *	100 ... 15.060	-	1	4.709 814	2,976.00
5425 R *	100 ... 15.060	+	1	6.495 820	6,054.00
5425 **	100 ... 15.060	-	1	4.709 816	2,976.00
5425 R **	100 ... 15.060	+	1	6.495 821	6,054.00

* with membrane keyboard; ** with rotary knobs

Safe-Lock Tubes® BioBased, PP



- ACT certified
- Made from 2nd generation recycled raw materials

Made from 2nd generation recycled raw materials (e.g. recycled food oil wastes). The hinged Safe-Lock lid prevents unintentional opening. The lid seal ensures minimal evaporation rates during long-term storage and the frosted lid surfaces and jar sides enable easy and durable labelling.

- Autoclavable when open (121 °C, 20 min)
- ISCC PLUS and ACT certification

Nominal capacity ml	Description	PK	Cat. No.	Price EUR
0.5	Eppendorf Quality	500	4.712 691	52.43
1.5	Eppendorf Quality	1000	4.712 694	53.02
2.0	Eppendorf Quality	1000	4.712 695	72.13
0.5	PCR clean *	500	4.712 690	58.11
1.5	PCR clean *	1000	4.712 692	58.11
2.0	PCR clean *	1000	4.712 693	78.99

* Pyrogen-, Dnase-, Rnase-, DNA-free

Rack for centrifuge tubes, PP



5 × 5 sample positions. Suitable for 15 ml or 50 ml conical centrifuge tubes. Easy sample identification via alphanumeric embossing.

For tubes ml	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
15	150 x 120 x 32	1	6.267 412	7.44	7.04
50	230 x 190 x 35	1	6.267 413	7.27	6.91

Light Microscopes Educational-Line OBE 132



- Binocular, achromatic objectives 4x, 10x, 40x, 100x (oil, spring-loaded)
- Butterfly tube, 30° inclined/360° rotatable
- 4-position objective revolver
- Coaxial coarse and fine adjustment
- ABBE 1.25 condenser, focusable and with aperture diaphragm
- Continuously dimmable 3 W LED illumination
- Storage compartment on the rear
- USB port (serves only as a power source)
- With dust cover, eyecups and operating instructions
- Various colour filters available as options

Total dimension (W x D x H): 360 x 150 x 320 mm
 Weight: 4.6 kg
 Power supply: 230 V/50 Hz, external power bank via USB

Type	PK	Cat. No.	Price	Now
OBE 132	1	4.670 983	EUR 640.00	EUR 576.00

Cover slips, square



Made of D263 M borosilicate glass.
 Accurate cutting free of flaws and blisters.

Dimensions (D x W) mm	Thickness mm	PK	Cat. No.	Price	Now
20 x 20	0.13-0.16	100	9.161 019	EUR 2.57	EUR 2.57
22 x 22	0.13-0.16	100	9.161 023	EUR 2.82	EUR 2.82
24 x 24	0.13-0.16	100	9.161 025	EUR 3.23	EUR 3.23

LLG-Staining plates, porcelain

With indentations.
 Square, white, glazed.



Int. bore diam. mm	Cavity depth mm	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
25	4	81 x 112 x 25	1	6.232 575	EUR 13.01	EUR 11.82
17	2	91 x 115 x 17	1	6.265 001	EUR 15.46	EUR 13.14

Digital refractometer RFM732-M/RFM742-M



- IP65 protection rating
- Intuitive software
- Fully automatic measurements



Robust, fully automated measuring device with °Brix scale and automatic temperature compensation to 20 °C in accordance with ICUMSA. The device can be connected to a printer or PC and output measurement results in standard print, CSV or secure PDF formats.

- Additional user scales allow measurement in various formats (e.g. RI, Öchsle, Baumé)
- Integrated library for user scales
- AG temperature equalisation enables range calibration for AG solutions
- Bright, high-resolution 4" HD colour display
- Two display modes (red or colour)
- "Hands-free" auto-sense measurement
- Time-delayed measurement
- Wide beam scan for non-homogeneous samples
- USB (A), USB (B), and Ethernet interface

Measuring range: 0 ... 100 °Brix 1.33 ... 1.54 RI
 Resolution: 0.1 °Brix 0.0001 RI
 Temperature: 5 ... 40 °C
 Accuracy temperature: ±0.05 °C
 Power supply: 100 ... 240 V, 50/60 Hz

Type	Accuracy	PK	Cat. No.	Price	Now
RFM732-M	±0.1 °Brix ±0.0001 RI	1	4.694 484	EUR 6,500.00	EUR 5,525.00
RFM742-M	±0.04 °Brix ±0.00005 RI	1	6.317 586	EUR 6,950.00	EUR 5,907.50

Microscope slides



According to ISO 8037/1. Prewashed and polished.
 Extra white. Size 76 x 26 x 1 mm.

Type	Edge finish	PK	Cat. No.	Price	Now
Without frosted end	Cut	50	9.161 110	EUR 2.35	EUR 2.35
With frosted end	Cut	50	9.161 145	EUR 3.29	EUR 3.29
Without frosted end	Ground 45°	50	9.161 120	EUR 3.98	EUR 3.98
With frosted end	Ground 45°	50	6.050 042	EUR 4.95	EUR 4.95
Without frosted end	Ground 90°	50	6.229 386	EUR 4.22	EUR 4.22
With frosted end	Ground 90°	50	6.050 000	EUR 4.56	EUR 4.56

Cells W600



Cells made of optical glass or Borosilicate glass 3.3, 21 mm x 40 mm, for instrument Models Fs, PFXi/PFX195, 880, 950 and 995. (Note: PFXi/PFX-195 max. path length 50 mm).

W600/OG/xx for unheated samples (up to 40 °C)
W600/B/xx for heated samples (up to max. 100 °C)

Further versions available on request.

Type	Path length	Material	PK	Cat. No.	Price	Now
	mm				EUR	EUR
W600/OG/10	10	optical glass	1	6.207 120	62.68	53.90
W600/OG/1/2"	12.7	optical glass	1	9.947 341	64.00	55.89
W600/OG/20	20	optical glass	1	6.522 394	71.96	61.89
W600/OG/25	25	optical glass	1	6.241 234	71.96	61.89
W600/OG/1"	25.4	optical glass	1	9.947 342	71.96	61.89
W600/OG/33	33	optical glass	1	6.093 322	85.02	73.89
W600/OG/40	40	optical glass	1	6.289 894	85.02	73.89
W600/OG/50	50	optical glass	1	6.207 119	97.53	83.88
W600/OG/100	100	optical glass	1	6.235 055	181.11	155.75
W600/OG/5/4"	133.35	optical glass	1	9.947 343	134.64	115.79
W600/B/10	10	Borosilicate glass 3.3	1	6.241 927	78.97	67.91
W600/B/33	33	Borosilicate glass 3.3	1	6.086 921	111.46	95.86
W600/B/1"	12.7	Borosilicate glass 3.3	1	9.947 344	88.24	75.89
W600/B/40	40	Borosilicate glass 3.3	1	6.523 826	116.11	99.85
W600/B/100	100	Borosilicate glass 3.3	1	6.253 940	232.17	199.67
W600/B/5/4"	133.35	Borosilicate glass 3.3	1	9.947 345	174.16	149.78

Macro and semi micro cuvettes



Sorted by mould cavity number. Path length: 10 mm.

Polymethylmethacrylate (PMMA) cuvettes

Typical operating range: from 300 nm to 900 nm.

Polystyrene (PS) cuvettes

Typical operative range: from 340 nm to 900 nm.

Dimensions: 12.5 mm x 12.5 mm x 45 mm
Window: Macro cell 10 mm x 35 mm
Semi micro cell 4.5 mm x 23 mm

Description	Volume	Material	PK	Cat. No.	Price	Now
	ml				EUR	EUR
Macro	2.5 to 4.5	PMMA	100	9.406 111	14.83	14.09
Semi-micro	1.5 to 3.0	PMMA	100	9.406 115	15.58	14.80
Macro	2.5 to 4.5	PS	100	9.406 110	11.16	10.60
Semi-micro	1.5 to 3.0	PS	100	9.406 114	11.66	11.08

Transmission spectrophotometer ICx



- Precise colour measurement
- Small footprint
- Intuitive touch interface



New



Transmission spectrophotometer for the precise and objective colour measurement of clear liquids. The ICx offers user-friendly operation with an intuitive touch interface, integrated method guidance and easy access to results. Built-in help functions and user prompts ensure an efficient workflow. The Lovibond® ICx provides data in accordance with the platinum-cobalt/Hazen/APHA scale (ASTM D1209, ASTM D5386, ISO 6271), as well as the yellow index and CIEL*a*b*colour space.

- Quick sample measurement and result display
- High accuracy and repeatability at very low Pt-Co values
- Integrated data storage for over 100000 measurements
- Interfaces: USB, RS232
- Light source: tungsten halogen
- Compact design saves space on the lab bench
- Chemically resistant aluminium chassis
- Fully sealed optical and electronic components protect against liquid ingress

Path length	PK	Cat. No.	Price	Now
mm			EUR	EUR
0.1 ... 152.4	1	4.716 033	10,100.72	9,393.67

Plastic disposable UV-Cuvettes



Made of plastic for the UV range.
For analyses from 230 to 900 nm.
Path length: 10 mm.

- Ideal for the determination of proteins, DNA, RNA
- number-sorted to reduce extinction deviations
- Verified windows to protect against scratches

Description	Capacity	PK	Cat. No.	Price	Now
	µl			EUR	EUR
UV micro cuvette	70 - 850	100	9.406 120	30.15	28.04
UV macro cuvette	2.5 ml - 4.5 ml	100	9.406 119	36.55	33.99
UV semi-micro cuvette	1.5 - 3.0 ml	100	9.406 118	40.25	37.43

Thermocycler Alpha Cyclor



The Alpha Cyclor systems contain a novel programme wizard which allows users to define a protocol based specifically on their primer sequence and template source. Primer sequences or T_m's are entered, amplicon length and source defined and the on board algorithm generates an optimised protocol for your assay.

- Multi-block units have totally independent blocks for maximum flexibility
- HD Android driven touchscreen interface for simplified programming
- Generate and send instrument reports to diagnose the health of your system and identify any issues before they impact users work
- Lock programs with user defined password
- Alpha Track mobile app allows remote monitoring of run progress

Alpha Track App (free of charge): Track the progress of runs and health of your system remotely via the mobile app. The Alpha Track Application is used in conjunction with your Alpha Cyclor and allows users to:

- Remotely track the progress of runs
- Send a health report for diagnosis by the technical support team
- Be notified of any issues and prevent system failures before occurring

Block temperature: 10 to 100 °C
 Block uniformity at 55 °C: ±0.3 °C
 Temperature accuracy at 55 °C: ±0.25 °C
 Max. Heating rate: 3.4 °C/s

Type	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
					EUR	EUR
AC196	1 x 96 well block	430 x 260 x 200	1	4.658 855	5,098.42	4,843.50
AC1384	1 x 384 well block	430 x 260 x 200	1	4.658 856	5,098.42	4,843.50

PCR Mini cooler, PP



For protecting samples prior to warming. The mini PCR cooler keeps samples at 4 °C for approx. 3 hours. The insulating gel changes from violet to pink at 7 °C. Suitable for 0.2 ml single vessels, 8-strips, 12-strips as well as 96-well PCR plates.

Description	PK	Cat. No.	Price	Now
			EUR	EUR
PCR Mini cooler	2	6.228 848	117.32	111.45

LLG-PCR tubes, PP, strips of 8 with separate cap strips



LLG-PCR tubes with flat, separate cap strips are suitable for standard PCR thermal cyclers. Autoclavable as well as RNase-, DNase-, and pyrogen-free.

Volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
0.2	120	4.704 899	42.39	36.03

LLG-PCR tubes, PP, strips of 8 with attached flat caps



LLG-PCR tubes with flat caps are suitable for standard PCR thermal cyclers. Autoclavable as well as RNase-, DNase-, and pyrogen-free.

Volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
0.2	120	4.704 898	36.79	31.27

LLG PCR tubes, PP, with attached flat cap



LLG PCR tubes with flat caps are suitable for standard PCR/qPCR thermocyclers. Autoclavable, RNase-, DNase- and pyrogen-free.

Volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
0.2	500	4.704 897	40.93	9.29

Ultrasonic Baths, SONOREX SUPER

BANDELIN



- Particularly uniform sound field
- With and without heating

These devices work at 35 kHz and have transducers for maximum cleaning power. SweepTec® for permanent sound field oscillation ensures even and gentle cleaning. Available with heating with adjustable temperature range from 30 to 80 °C . Power information: High ultrasonic peak power and nominal ultrasonic power 230 V, 50/60 Hz. All models are spill-proof with stainless steel tanks (RK 102H hard-chromium plated) and outer cases, drip proof (IP32).

Type H with heating adjustable from 30 to 80 °C



Type	Capacity of the bath litres	PK	Cat. No.	Price EUR	Now EUR
RK 31 H	0.9	1	6.200 370	441.57	423.91
RK 31	0.9	1	9.877 021	375.73	360.70
RK 52	1.8	1	9.877 052	653.66	627.51
RK 52 H	1.8	1	9.877 051	832.80	799.49
RK 100	3.0	1	9.877 100	723.38	694.44
RK 100 H	3.0	1	9.877 101	878.22	843.19
RK 102 H	3.0	1	9.877 103	1,252.10	1,202.02
RK 103 H	4.0	1	9.877 114	1,277.28	1,226.19
RK 156 BH	9.0	1	9.877 155	1,688.36	1,620.83
RK 255 H	5.5	1	9.877 256	1,437.08	1,379.60
RK 510	9.7	1	9.877 510	1,308.27	1,255.94
RK 510 H	9.7	1	9.877 511	1,612.34	1,547.85
RK 1028 H	28.0	1	9.877 529	2,848.30	2,734.37

Lids for Sonorex ultrasonic baths



Stainless steel. For covering bath tanks, as outlined below.

Type	For bath type	PK	Cat. No.	Price EUR	Now EUR
D 08	RK 31 / 31 H	1	9.877 597	26.00	24.96
D 52	RK 52 / 52 H	1	9.877 601	48.00	46.08
D 100	RK 100 H / 102 H / 103 H	1	9.877 603	48.00	46.08
D 510	RK 510 / 510 H	1	9.877 610	69.00	66.24
D 1028	RK 1028 H	1	9.877 607	92.00	88.32

Suspension baskets for Sonorex ultrasonic baths



Stainless steel. Optimal ultrasonic wave transmission. Items to be cleaned should not be placed on the bottom of the tank.

Type	For bath type	PK	Cat. No.	Price EUR	Now EUR
K 1 C	RK 52 / 52 H	1	9.877 631	62.00	59.52
K 3 C	RK 100 / 100 H / 102 H	1	9.877 633	74.00	71.04
K 08	RK 31 / 31 H	1	9.877 630	48.00	46.08
K 10	RK 510 / 510 H	1	9.877 697	202.39	194.29
K 28	RK 1028 H	1	9.877 698	291.49	279.83

Volumetric flasks, plastic, class B, PE NS-stoppers

ISOLAB
Laborgeräte GmbH



To DIN EN ISO 1042, adjusted to IN, with PE standard ground joint stoppers.

Capacity ml	Tolerance ± ml	Joint size (NS)	PK	Cat. No.	Price EUR	Now EUR
25	0.08	10/19	1	9.276 590	4.74	4.47
50	0.12	12/21	1	9.276 591	4.84	4.60
100	0.20	14/23	1	9.276 592	5.22	4.96
250	0.30	14/23	1	9.276 593	7.74	7.32
500	0.50	19/26	1	9.276 594	8.76	8.32
1000	0.80	24/29	1	9.276 595	10.04	9.54

Batch mills

Tube Mill control/Tube Mill 100 control



Tube Mill control

Suitable for disposable and reusable grinding chambers.

- Clearly arranged, multilingual OLED-display
- Interval operation available
- Stepless adjustable speed
- Adjustable safety speed and time

Scope of supply:

Tube Mill control:

incl. 1 x grinding chamber MT 40 and MMT 40.1 each

Tube Mill 100 control:

incl. 1 x grinding chamber MT 40, MT 100 and MMT 40.1 each

Tube Mill control // Tube Mill 100 control

Operating principle:	cutting/impact
Motor rating input/output:	100/80 W
Speed:	5000 to 25000 rpm
Chamber volume:	40 ml // 100 ml
Timer:	5 s to 3 min
Max. feed hardness:	5 Mohs
Dimensions (W x D x H):	180 x 300 x 170 mm // 180 x 300 x 212 mm
Weight:	2.7 kg // 2.8 kg
IP code:	IP 30
Power supply:	220-240 V, 50/60 Hz

Type	Max. Feed quantity/ Flow rate	PK	Cat. No.	Price	Now
	ml			EUR	EUR
Tube Mill control	40	1	9.737 790	2,561.00	2,202.46
Tube Mill 100 control	100	1	7.644 727	2,777.00	2,388.22

Accessories for batch mill Tube Mill control/Tube Mill 100 control

Description	PK	Cat. No.	Price
			EUR
Disposable grinding chamber, 40 ml	10	9.737 791	106.13
Disposable grinding chamber, 40 ml, big pack	100	6.260 495	885.33
Disposable grinding chamber, 100 ml *	10	6.285 802	120.53
Disposable grinding chamber, 100 ml, big pack *	50	7.644 728	525.87
Grinding chamber, multi use, 40 ml	1	7.639 994	291.00

* only for Tube Mill 100 control

Laboratory mixer, BagMixer® 400



For sample preparation with adjustable paddle system



400 CC

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 see-through glass door.
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	Dimensions (W x D x H)	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
400 P	50 ... 400	260 x 390 x 290	1	6.204 551	2,390.40	2,270.88
400 W	50 ... 400	260 x 390 x 290	1	6.224 287	3,136.90	2,980.06
400 CC	50 ... 400	260 x 420 x 265	1	9.570 098	4,509.50	4,284.03

Blender bags, BagSystem®



These gamma-ray sterilised bags have a high mechanical stability and ensure safety for the samples. The filters inserted in the bags filter the liquid during sample preparation (washing process) and retain sample particles.

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.



PolySilk 100

Type	Description	PK	Cat. No.	Price
				EUR
BagLight® PolySilk 100	plain bag, sleeve 25	500	9.570 075	55.20
BagOpen® 400	bag opener	1	9.570 084	104.80
BagLight® PolySilk 3500	plain bag, sleeve 25	500	9.570 077	187.80
BagPage®+ 400	full-size filter bag, sleeve 25	500	9.570 081	146.80
BagFilter® P 400	side filter bag, sleeve 25	500	9.570 078	135.27

Sample spoon LaboPlast® Bio/SteriPlast® Bio, Green PE, disposable



White. The LaboPlast® Bio/SteriPlast® Bio products are entirely made of renewable resources. Not only with regard to quality but also with regard to its characteristics for high-quality sampling, it is perfectly comparable with conventional polyethylene.

- Individually packed
- SteriPlast® Bio additionally gamma-sterilised
- Production and packaging acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guideline

Type	Capacity ml	Length mm	Sterile	PK	Cat. No.	Price EUR	Now EUR
LaboPlast® Bio	2.5	127	-	100	6.265 059	49.00	44.91
LaboPlast® Bio	10	170	-	100	6.265 060	53.15	47.84
SteriPlast® Bio	2.5	127	+	100	6.265 053	55.45	53.23
SteriPlast® Bio	10	170	+	100	6.265 054	59.00	56.64

Scoops PharmaScoop, stainless steel V4A



For sampling of powders and granulates in the pharmaceutical industry.

- Highly polished surface
- Jointless production
- Autoclavable
- Suitable for food
- GMP-conform

Nominal capacity ml	Diam. mm	Length Scoop mm	PK	Cat. No.	Price EUR	Now EUR
10	25	45	1	6.226 226	71.50	64.35
50	38	70	1	7.622 382	121.10	108.99
100	50	100	1	6.226 227	164.65	148.19
500	95	140	1	7.911 019	165.25	148.73
750	95	210	1	6.226 228	170.15	153.14
1000	110	235	1	6.226 229	188.35	169.52
1250	125	195	1	7.900 430	194.30	174.87
1700	135	230	1	7.900 429	201.80	181.62
2500	185	215	1	7.636 598	240.75	216.68

Sample scoops LaboPlast® Bio/SteriPlast® Bio, Green PE, disposable



White. The LaboPlast® Bio/SteriPlast® Bio products are entirely made of renewable resources. Not only with regard to quality but also with regard to its characteristics for high-quality sampling, it is perfectly comparable with conventional polyethylene.

- Individually packed
- SteriPlast® Bio additionally gamma-sterilised
- Production, assembling and packaging acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Capacity ml	Length mm	Sterile	PK	Cat. No.	Price EUR	Now EUR
LaboPlast® Bio	25	141	-	10	6.265 055	21.70	19.53
LaboPlast® Bio	50	160	-	10	6.265 056	22.35	20.12
LaboPlast® Bio	100	205	-	10	6.265 057	23.05	20.75
LaboPlast® Bio	150	216	-	10	6.265 058	23.70	21.33
SteriPlast® Bio	25	141	+	10	6.265 049	24.10	21.69
SteriPlast® Bio	50	160	+	10	6.265 050	24.80	22.32
SteriPlast® Bio	100	205	+	10	6.265 051	25.60	23.04
SteriPlast® Bio	150	216	+	10	6.265 052	26.20	23.58

Test sieves for ALPINE Air Jet sieve machine e200 LS



Robust screen construction with plain stainless steel frame.
Dimensions (Ø x H): 203 x 28 mm

Aperture size mm	PK	Cat. No.	Price EUR
0.032	1	6.269 664	263.00
0.045	1	6.269 663	184.00
0.063	1	6.267 645	148.00
0.075	1	4.670 668	144.00
0.09	1	6.269 661	144.00
0.100	1	6.318 216	144.00
0.2	1	6.285 175	144.00

Digital water baths



- Including lid
- Colour TFT display



- Colour TFT display with control panel
- Calibration offset feature
- 5 user programmable pre-sets (temperature and duration)
- 5 languages (English, German, French, Spanish and Chinese)
- Integrated independent timer
- Rear-mounted drain (10, 20 and 28 litres)

Scope of supply: Digital water bath, incl. lid

Temperature range: Ambient +5 °C ... 100 °C
 Temperature uniformity: ±0.2 °C
 Temperature stability: ±0.1 °C
 Power supply: 240 V, 50 Hz

Type	Capacity of the bath (litres)	External dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
WBE02A12E	2	305 x 229 x 267	1	6.274 985	637.48	605.61
WBE05A12E	5	305 x 368 x 267	1	6.274 986	772.81	734.17
WBE10A12E	10	432 x 393 x 305	1	6.274 987	930.51	883.98
WBE20A12E	20	445 x 572 x 305	1	6.274 988	1,123.73	1,067.54
WBE28A12E	28	445 x 572 x 356	1	6.274 989	1,185.50	1,126.23

LLG- Floating pellets, PP



Pellets with 20 mm diameter. Can cover 0.1 m². Protect against evaporation and rapid temperature loss. Decreases hazardous vapours. Resistant against most acids, bases, solvents and mineral oils. Temperature stable up to 100 °C.

Description	PK	Cat. No.	Price EUR	Now EUR
Floating pellets	250	6.266 611	35.91	30.52

Thermostatic cabinets



- Internal power sockets
- Ideal for BSB measurements



The cabinets are equipped with sockets in the interior for connecting stirrers.

- Temperature range 2 °C to 40 °C, continuously adjustable in steps of 0.1 °C
- Illuminated LED display of preset and current temperatures
- Ideal for BOD determination at 20 °C
- With Standard door or glass door

Coolant: R134a
 Fan: Axial, delivery rate 320 m³/h
 Power supply: 220-230 V/50 Hz

Type	Capacity	External dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
TC 135 S	135	600 x 600 x 850	1	9.699 142	2,203.20	2,115.07
TC 710 S	288	600 x 654 x 1684	1	6.492 794	3,158.00	3,031.68
TC 720 S	488	750 x 769 x 1684	1	6.492 795	3,896.80	3,740.93
TC 140 G *	140	600 x 600 x 850	1	9.699 146	2,542.40	2,440.70
TC 715 G *	288	600 x 654 x 1684	1	6.492 988	3,381.30	3,246.05

Shaking incubator ES-20/80



Bench-top orbital shaker/incubator for mixing and incubation of samples in a variety of flasks and vessels.

- Touchscreen display for quick parameter setting
- Bluetooth® connectivity to PC for data management, data logging, parameter control and profiling
- Stackable up to 3 units
- Heat-resistant fan
- Timer alarm
- Chamber made of stainless steel

Type of movement: orbital
 Speed range: 50 ... 400 rpm
 Temperature range: 25 ... 80 °C
 Overall dimensions (W x D x H): 620 x 530 x 510 mm
 Power supply: 230 V, 50/60 Hz

Type	PK	Cat. No.	Price EUR	Now EUR
ES-20/80	1	4.684 295	6,909.00	6,701.73

Dry Ice Machines SnowPack®



Without a power supply



The dry ice machine SnowPack® produces dry ice tablets of -79 °C with 50 or 250 g weight within a short time. Suitable for all European siphon carbon dioxide cylinders with valve (W 21.80 x 1¼" acc. to DIN 477-1, no. 6) without pressure regulator.

- Operates without electricity
- Taint and odour free

Gassing period (per tablet): approx. 1 min
 Tablets per 22 kg bottle (dependent on ambient temperature and pressure): either 90 or 16 pieces approx.

Type	Tablet weight	Diam.	Height	PK	Cat. No.	Price	Now
	g	mm	mm			EUR	EUR
SnowPack® 50	50	50	30	1	9.253 006	274.55	247.10
SnowPack® 250	250	80	60	1	9.253 008	327.45	303.71

Protection Gloves Cryo Gloves® Standard/Waterproof

EN 511 EN 388 EN 420



Developed to provide protection while working in very cold environments or handling ultra-cold objects and media (in the range of -160 °C). Especially for secure handling of dry ice (-79 °C), sample handling (-86 °C/-152 °C) and handling ultra cold specimens - those stored in the vapour phase of liquid nitrogen. According to normative EN 511, EN 420, EN 388, **CAT. III**. CAUTION: Not intended for immersion in liquid nitrogen or other liquid cryogens. 1 pair per pack.

Size	Description	PK	Cat. No.	Price	Now
				EUR	EUR
S (8)	wrist length	1	9.405 116	216.50	184.03
M (9)	wrist length	1	9.405 117	216.50	184.03
L (10)	wrist length	1	9.405 118	216.50	184.03
XL (11)	wrist length	1	9.405 119	225.50	191.68
S (8)	forearm length	1	9.405 120	222.50	189.13
M (9)	forearm length	1	9.005 446	222.50	189.13
L (10)	forearm length	1	9.005 447	222.50	189.13
XL (11)	forearm length	1	9.405 121	234.50	199.33

Freezer boxes B35-85, up to -85 °C



- Compact
- Space-saving
- Quiet



B 35-85 //logg

The cold boxes are small benchtop units for cooling and freezing in all laboratories. Due in particular to its compact space-saving design and the low-noise cooling unit, the cold box is suitable for direct use in the workplace.

- Vacuum insulation: spacious interior with compact external dimensions and low power consumption
- Extremely quiet refrigeration unit
- Uses natural refrigerants (R-290, R-170)
- Maximum safety thanks to a mains-independent alarm with a battery providing approx. 72 hours of power
- Visual and audible alarm signal
- Lockable insulated door with door frame heating and double magnetic seal with additional lip

Cold boxes B35 //logg:

- Touchscreen control with colour display and integrated data logger for full traceability
- User-friendly menu structure, remote access via network/internet
- Real-time display of the temperature profile and further values
- Recording the temperature profiles and alarm events
- Integrated memory with up to 12 years memory capacity
- Data for transfer to PC can be read out via USB interface
- Ethernet interface (RJ45)

Control accuracy: ±1 K
 Ambient temperature: +12 to +30 °C
 Power supply: 230 V/50 Hz

Type	Capacity	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
	Litres	mm			EUR	EUR
B 35-85	35	580 x 765 x 540	1	7.982 609	6,552.00	6,158.88
B 35-85 //logg	35	580 x 765 x 580	1	6.284 404	7,560.00	7,106.40

LLG-Timer pro



The LLG-Timer pro can be used simultaneously as real time clock and timer. The countdown timer also runs when time is visible.

- Big 6-digit LCD display
- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch and countdown up to 23 h 59 min. 59 sec.
- Optical and acoustic alarm when timer expires
- Incl. magnet for mounting, hanging bracket and stand (fold-out)

Dimensions (W x H x D): 82 x 68 x 20.5 mm
 Weight (with battery): 82 g
 Power supply: 2 x AAA 1.5 V (not included)
 Warranty: 12 months

Type	PK	Cat. No.	Price	Now
LLG-timer pro	1	6.311 351	EUR 17.48	EUR 14.86

Stopwatch, digital



1/100 seconds, split time, clock, date with weekday, hourly chime, alarm with snooze function, lanyard.
 Measuring range: Time up to 23 h, 59 min, 59 sec.
 Dimensions (W x H x D): 65 x 79 x 21 mm,
 Weight: 50 g,
 incl. 1x 1.5 V LR44 battery, EK-EL

Type	PK	Cat. No.	Price	Now
Stopwatch	1	9.851 018	EUR 9.31	EUR 8.38

Thermo-Timer



Time and temperature controlled



The Thermo-Timer timer switch can control devices up to 3600 watts based on temperature, time, or a combination of both. The waterproof cable probe allows temperature measurement in remote locations and in liquids.

- For time- and/or temperature-controlled switching
- Timer mode (three possible on/off time pairs)
- Thermostat mode (automatic switch-on when the temperature falls below a certain level)
- Thermo-timer mode (combination)
- Switching capacity up to 3600 watts (16 A at 230 V)

Scope of delivery: Thermo-timer, battery, operating instructions

Measuring range: 0...+40 °C
 Cable length approx: 100 cm
 Batteries included: 1 x 1.5 V AAA
 Dimensions (L x W x H): 67 x 77 x 130

Type	PK	Cat. No.	Price	Now
Thermo-Timer	1	6.328 856	EUR 43.29	EUR 38.96

Radio controlled wall clock



- Highest precision radio-controlled clock
- Analogue display with second hand
- Digital display of date
- Large dial
- Ideal for home, office, waiting room, lobby or entrance hall and as a gift
- Ø 300 mm
- Battery included 1.5 V AA

Type	PK	Cat. No.	Price	Now
Radio controlled wall clock	1	9.851 019	EUR 32.14	EUR 27.32

Digital wireless rain gauge MONSUN



- Wireless transmission of outdoor temperature and rainfall with temperature trend display
- Display of total rainfall, rainfall in the last hour, rainfall in the last 24 hours and last rainfall, with time and date of recording
- Bar-chart display and history of the last 7 days, weeks and months
- Rain sensor with alarm
- Display of indoor temperature (-10 to 50 °C) and outdoor temperature (-50 to 70 °C)
- Max.-Min. function
- Adjustable temperature alarm
- Clock with date
- Battery operation: 3 x 1.5 V AA (base station), 2 x 1.5 V AA (thermo rain gauge)

Scope of supply: Base station, thermo rain gauge 30.3161, batteries, instruction manual

Measuring range: 0 ... 9.999 mm
Dimensions (L x W x H): 25 x 94 x 122

Type	PK	Cat. No.	Price	Now
			EUR	EUR
MONSUN	1	6.523 857	36.98	33.28

Laboratory Thermometer TFX 410-1

-ebro-
a xylem brand

Robust and impact-resistant temperature measurement device for Pt 1000 penetration probe (connection Lemo size 0). Conform to HACCP and DIN EN 13485. With battery and factory calibration certificate.

- Probes made of stainless steel, for temperatures up to +400 °C
- Accuracy: exceeds DIN IEC 584, class 1



Measurement range: -50 ... +300 °C
Accuracy: ±0.3 °C
Resolution: 0.1 °C
Certificate: 3-point factory calibration
Operating temperature: -25 °C to +50 °C
Storage temperature: -30 °C to +70 °C
Dimensions (L x W x H): 54 x 22 x 109 mm (without probe)
Weight: Approximately 90 g
Power supply: 3.0 V Lithium, replaceable
IP code: IP 67

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
TFX 410	with assigned probe	1	6.206 350	294.00	232.26
TFX 410-1	without probe	1	6.207 171	280.00	221.20
TFX 410-1 + TPX 400	with probe	1	6.205 686	370.00	292.30

Thermometer Pocket-Digitemp




DOSTMANN electronic GmbH

Waterproof temperature meter in a food-grade plastic housing. The housing is completely waterproof (in accordance with EN 13485).

- 1-second measuring frequency
- Max-Min-Hold function



Sensor: NTC
Measuring range: -40 °C to 200 °C
Resolution: 0.1 °C
Accuracy: ±0.8 °C (at 0 °C to 100 °C) others 1.5 °C
Dimensions: 202 x 20 x 16 mm
Probe dimensions: 126 x 3.5 mm
Weight: 40 g
IP code: IP65

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Short version	1	9.851 028	18.04	16.24

Thermohygrometer testo 608



- Continuous display of temperature and humidity or dewpoint
- With dew point calculation and max/min display
- Battery monitoring

Measuring range: 0 ... 50 °C
Accuracy (at 25 °C): ±0.5 °C (±1 digit)
Dimensions: 111 x 90 x 40 mm
Power supply: 9 V block battery

Type	PK	Cat. No.	Price	Now
			EUR	EUR
testo 608-H1	1	9.726 964	93.00	90.21

Gas chromatography flow meter GF500



A compact, digital measuring device for simple, accurate and reproducible measurement of flow rates in gas chromatographs. Suitable for the carrier gases air, hydrogen, nitrogen, helium, carbon dioxide, argon and argon/methane. With pressure and temperature compensation. Suitable for columns with diameters of 100, 180, 200, 250, 320, 450, 530 and 750 μm .

- Measurement of flow rate, linear velocity and split ratio
- 25 point calibration, traceable to National Standards
- Rechargeable battery

Scope of supply: Flow meter with case, tubings, tubing adapter fittings, tubing clips, tie-wraps, universal charger with USB connector, operation manual, calibration certificate.

Range: 0... 500 ml/min. (0... 300 ml CO₂)
 Accuracy: 0.4 ml/min./ $\pm 2.5\%$
 Resolution: 0.1 ml/min.
 Operating temperature: 15... 35 °C, calibrated at 21 ± 2 °C
 Inlet pressure: max. 175 kPa
 Dimensions: 68 x 30 x 130 mm

Type	PK	Cat. No.	Price	Now
			EUR	EUR
GF500-Set	1	4.661 928	1,278.50	1,086.73

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



2in1 KITS contain 100 vials (1.5 ml) and 100 closures in an orange PP-Box.

Description	Cover type	PK	Cat. No.	Price	Now
				EUR	EUR
clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	35.57	30.23
clear	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	7.621 765	45.98	39.08
clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	34.52	29.34
clear *	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	9.003 562	47.84	40.66
clear *	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	7.970 892	36.27	30.83
amber *	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	6.266 871	37.68	32.03

+ with labelling field

Eluent SafetyCaps, GL45



Suitable for solvent extraction. The integrated air valve blocks hazardous solvent vapours and filters the incoming air via a PTFE membrane.

- With timestrip sticker
- Closures and fittings made of PP
- Body made of PTFE

Description	PK	Cat. No.	Price	Now
			EUR	EUR
with 2 PP fittings (3.2 mm OD)	1	4.684 217	54.13	51.42
with 3 PP-Fittings (3.2 mm AD)	1	4.684 218	56.40	53.58
with 1 PP-Fitting (3.2 mm AD)	1	4.684 219	48.73	46.29

Air valves, PP



For all SafetyCaps with a 1/4" 28G UNF threaded connection. Features a 1 μm PTFE/PP membrane and a silicone check valve. Includes a clip-on replacement indicator. Service life of 6 months.

Diam.	PK	Cat. No.	Price	Now
mm			EUR	EUR
20	2	6.313 842	38.33	35.26
20	10	6.313 843	160.23	155.69
20	50	6.313 844	731.20	672.70

NMR tubes, diameter 3 and 5 mm, borosilicate glass 3.3, standard



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 is conform to USP Type I and ASTM E438, Type I, Class A. Please order closing caps separately.

Outer diam. mm	Wall thickness mm	Length mm	PK	Cat. No.	Price EUR	Now EUR
4.95 ± 0.05	0.38	178	100	9.400 310	145.79	128.30
4.95 ± 0.05	0.38	203	100	9.400 311	154.49	135.95

Closing caps for NMR and EPR tubes



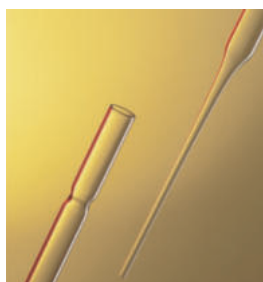
For 5 mm NMR tubes.

Colour	PK	Cat. No.	Price EUR	Now EUR
red	50	4.688 374	8.44	7.43
green	50	4.688 375	8.44	7.43
yellow	50	4.688 376	8.44	7.43
blue	50	4.688 377	8.44	7.43

Pasteur pipettes, soda glass



Extra-long tip for NMR



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

Length mm	PK	Cat. No.	Price EUR	Now EUR
300	1000	4.672 077	212.50	187.00
350	1000	4.672 078	297.23	349.56

NMR Tube Rack, PP



For 72 (6 x 12) tubes with 3 or 5 mm diameter. Autoclavable.

Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
210 x 110 x 220	1	9.301 065	72.39	68.77

NMR spatula, stainless steel



Stainless steel 1.4301, polished.

Width mm	Overall length mm	PK	Cat. No.	Price EUR	Now EUR
3	195	1	4.719 842	11.50	10.35

NMR brushes



For cleaning NMR tubes.

Length mm	PK	Cat. No.	Price EUR	Now EUR
250	5	4.669 337	16.61	15.12

pH/Redox meter pH 3110 Set SM PRO, LLG Premium Line, incl. pH electrode Sentix 41 and protective cover SM Pro.



WTW
a xylem brand

The meter pH 3110 Set SM PRO is ready-to-use for portable pH and Redox measurement.

- With proven, universal pH electrode Sentix 41
- Additional protection due to protective cover SM Pro made of silicone
- Waterproof according to IP67
- 3-point calibration with technical or DIN/NIST buffers
- Integrated calibration timer for reminding to calibrate regularly

Scope of supply: pH meter pH 3110 ProfiLine, pH electrode Sentix 41, buffer STP 4/STP 7 (50 ml each), protective cover SM Pro, KCL solution, measuring beaker (50 ml), electrode holder, carrying case

Measuring ranges

pH: -2.0 ... 20.0 ; -2.00 ... 20.0 ; -2.000 ... 19.999
 Accuracy: ± 0.01 (± 1 digit) ± 0.005 (15 °C ... 35 °C)
 mV/Accuracy: $\pm 1200.0/\pm 0.3 \pm 2000/\pm 1$
 Temperature: -5 ... 105 °C

pH electrode Sentix 41

Plug type: DIN
 Ø: 12 mm
 Electrolyte: Gel
 Length cable: 1 m

Type	PK	Cat. No.	Price	Now
pH 3110 Set SM PRO	1	4.684 148	816.00	EUR 693.60

Lithmus papers



ISOLAB
Laborgeräte GmbH

Lithmus papers are useful for determining whether a solution is acidic or basic.

Scope of supply:
10 booklets of 20 papers

Colour	PK	Cat. No.	Price	Now
red (pH 5 to 8)	200	6.328 823	6.69	EUR 6.36
blue (pH 8 to 5)	200	6.328 824	6.69	EUR 6.36

pH Tester testo 205



The testo 205 is a robust food penetration measuring instrument for temperature and pH values, with automatic temperature compensation.

- pH tip embedded in breakage-proof plastic
- Combined penetration tip with temperature probe
- Maintenance-free gel electrolyte

Scope of supply: Instrument, penetration probe, storage cap, belt and wall holder

pH range: 0 ... 14
 Resolution: 0.01
 Measuring range: 0 ... 60 °C
 Power supply: Incl. 4 x batteries LR44



Type	PK	Cat. No.	Price	Now
Set testo 205	1	7.615 330	293.00	EUR 284.21

pH Meter testo 206-pH2

- Combined probe tip with temperature sensor
- Maintenance-free gel electrolyte

Scope of supply: Instrument, storage cap with gel filling, TopSafe, belt and wall holder

Measuring range: 0 ... 60 °C
 Resolution: 0.1 °C
 Power supply: 1 x CR2032



Type	PK	Cat. No.	Price	Now
Set testo 206-pH2	1	7.620 869	267.00	EUR 258.99

LLG-Indicator paper sticks



LLG
LABWARE

For pH determination. Box of 100 indicator paper sticks of 80 mm length.

Range	PK	Cat. No.	Price	Now
pH			EUR	EUR
0 ... 14	100	9.129 807	5.71	EUR 4.85
5.5 ... 9	100	6.322 832	5.33	EUR 4.53
0 ... 6	100	6.322 833	6.00	EUR 5.10

Conductivity cell probes TetraCon® 325



4-pole cell with integral temperature sensor.
Measuring range: 1 µS/cm to 2 S/cm.

Length	Electrode	Shaft	Cable length	PK	Cat. No.	Price	Now
mm			m			EUR	EUR
120	Graphite	Epoxy resin	1.5	1	9.704 081	597.00	543.27

IDS conductivity cell probes TetraCon® 925



Intelligent digital 4-pole cell with integral temperature sensor.
Automatic transfer of the cell constant.
Measuring range: 1 µS/cm to 2 S/cm.

Length	Electrode	Shaft	Cable length	PK	Cat. No.	Price	Now
mm			m			EUR	EUR
120	Graphite	Epoxy resin	1.5	1	7.653 077	629.00	581.49

LLG-Electrode stand for 3 electrodes



With cable duct. For three electrodes, 3 openings 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

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Electrode stand	1	6.286 248	92.14	79.17

Conductivity meter ProfiLine Cond 3310



Complete Set



Comfortable and versatile conductivity meter with integral, time controlled, data logger and 5000 GLP-compliant record memory for extended data collection. Menu controlled, with backlit, graphics display for comfortable, safe operation.

Measuring ranges/Resolution

Conductivity: 0.00 µS/cm ... 19.99 µS/cm (when K=0.1 cm⁻¹)
0.000 µS/cm ... 1.999 µS/cm (when K=0.01 cm⁻¹)
TDS: 0 ... 1999 mg/l, 0.0 ... 199.9 g/l
Spec. resistance: 0.0 ... 999 MΩ/cm
Memory: 5000 records (measured value, temperature, date, time, ID)

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
Cond 3310	Meter only	1	9.774 409	895.00	814.45
Cond 3310 Set 1	Case set including conductivity probe TetraCon 325 and accessories	1	9.774 400	1,376.00	1,252.16

LLG-pH-Buffer solution, 1000 ml



- Tolerance ±0.01, tested and certified at 20 °C
- Batch number, expiry date, and temperature dependence data table printed on the label
- Traceable to NIST (SRM)
- pH 9 and 10 are borax-free

The safety data sheets of these products are available under www.llg-labware.com.



pH-value	Buffer	PK	Cat. No.	Price	Now
				EUR	EUR
at 20 °C					
4.00	Citrate	1	4.664 603	6.86	5.83
7.00	Phosphate	1	9.041 368	6.86	5.83
9.00	Borat	1	6.324 547	11.35	9.65
10.00	Borat	1	6.324 542	11.35	9.65

Bottle-top dispenser Dispensette® Analog S



Made in Germany

The Dispensette® S bottle-top dispenser makes liquid dosing easy and secure.

- Autoclavable (121 °C)
- Easy to calibrate and adjust to comply with ISO 9001 and GLP guidelines
- Easy to disassemble for cleaning
- DE-M marking

Red colour code. Wide range of applications, ideal for dispensing aggressive reagents, e.g. concentrated bases and acids such as H₃PO₄, H₂SO₄ (except as HCl, HNO₃ and HF), saline solutions and a variety of organic solvents. Incl. performance certificate.

Included items:

Bottle-top dispensers Dispensette® S, DE-M marked and supplied with performance certificate, telescope filling tube, recirculation valve (optional), mounting tool and adapters made of PP.

Volume	Grad.	Accuracy	Precision	PK	Cat. No.	Price	Now
ml	ml	(± R%)	(≤ CV%)			EUR	EUR
0.1 - 1	0.02	0.6	0.2	1	9.284 380	356.70	321.03
0.5 - 5	0.10	0.5	0.1	1	9.284 384	356.70	321.03
1 - 10	0.20	0.5	0.1	1	9.284 386	356.70	321.03
2.5 - 25	0.50	0.5	0.1	1	9.284 388	466.40	419.76
5 - 50	1.00	0.5	0.1	1	9.284 390	512.70	461.43
10 - 100	1.00	0.5	0.1	1	9.284 392	600.20	621.18

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. DNase-, RNase- and pyrogen-free certified.

Description	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
non-sterile, bulk	25	100	6.282 144	23.20	19.72
sterile, single packed	25	100	6.282 145	43.82	37.25
non-sterile, bulk	50	100	6.282 146	30.43	25.87
sterile, single packed	50	100	6.282 147	61.95	52.66

Single channel microliter pipettes, Transferpette® S, variable



Volume range from 0.1 µl to 10000 µl.

Scope of supply: Transferpette® S type adjustable volume, with performance certificate, shelf/rack mount, labelling foil, silicone grease

Capacity	Accuracy	Precision	PK	Cat. No.	Price	Now
µl	max. vol. (± R%)	max. vol. (≤ CV%)			EUR	EUR
0.1 ... 1	2	1.2	1	9.280 140	273.25	245.93
0.1 ... 2.5	1.4	0.7	1	9.280 141	273.25	245.93
0.5 ... 10	1.0	0.5	1	9.280 142	273.25	245.93
2 ... 20	0.8	0.4	1	9.280 143	273.25	245.93
5 ... 50	0.8	0.3	1	9.280 144	273.25	245.93
10 ... 100	0.6	0.2	1	9.280 145	273.25	245.93
20 ... 200	0.6	0.2	1	9.280 146	273.25	245.93
100 ... 1000	0.6	0.2	1	9.280 147	273.25	245.93
500 ... 5000	0.6	0.2	1	9.280 148	273.25	245.93
1000 ... 10000	0.6	0.2	1	9.280 149	273.25	245.93

Filter tips, racked in TipBox, sterile, Bio-Cert®, PP



With a hinged lid/push-on lid. Simply rotate 180° to change the closure method. Usable with a partially loaded multichannel pipette. Two different sizes. Stackable and repeatedly autoclavable at 121 °C (2 bar), acc. DIN EN 285. 10 boxes of 96.

Capacity	PK	Cat. No.	Price	Now
µl			EUR	EUR
0.5 - 10	960	9.409 724	114.70	97.50
5 - 100	960	9.409 727	101.50	86.28
50 - 1000	960	9.409 729	119.80	101.83

Macropipette controllers



The handwheel allows precise suction of the liquid into the pipette with one hand.

For	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette volume up to 2 ml	1	4.008 322	9.00	8.55
Pipette volume up to 10 ml	1	4.008 323	9.00	8.55
Pipette volume up to 25 ml	1	4.008 324	9.80	9.31

Pasteur pipettes, Soda-lime-glass



ISO 7712. Long drawn-out capillary tip. Suction end with constriction for a cotton plug.

Nominal capacity	Length	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
1.5	145	1000	4.688 084	63.98	59.50
1.5	270	1000	4.665 820	141.13	131.25
1.5	310	1000	4.665 821	166.30	154.66

Pipette teats



Natural rubber (NR)/Latex or Silicone (VMQ)

Capacity	Colour	Material	PK	Cat. No.	Price	Now
ml					EUR	EUR
2	red	NR/Latex	100	4.661 160	59.86	50.88
2	transparent/white	VMQ	10	9.072 682	18.38	15.62

Pipette controller



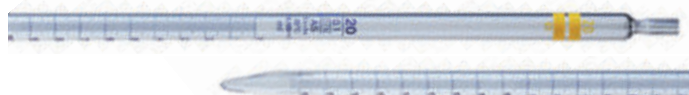
Ergonomic, lightweight and well balanced body offers fatigue-free pipetting. The pump can fill a 25 ml pipette under 4 seconds. Pump speed can be adjusted to 8 different levels.

- LCD display for speed and remaining battery power
- Lithium-ion batteries provide 8 hours continuous use
- Replaceable hydrophobic 0.45 µm PTFE filter
- With silicone adapter

Scope of supply: Pipette controller, charger, wall mounting, dual-position stand

Volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
0.1 ... 100	1	6.494 067	250.00	238.36

LLG-Graduated pipettes, soda glass, class AS, type 3



- DIN EN ISO 835, DIN 12699
- Conformity-certified
- With batch date identification
- Calibrated to deliver (EX)
- Ring marks and graduations in permanent blue enamel

Nominal capacity	Graduations	Tolerance	Length	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
1	0.01	0.007	360	10	6.272 200	44.32	12.17
2	0.02	0.01	360	10	6.272 201	44.32	12.17
5	0.05	0.03	360	10	6.272 202	44.88	12.65
10	0.1	0.05	360	10	6.272 203	47.18	14.60
20	0.1	0.1	450	10	6.272 204	36.20	30.77
25	0.1	0.1	450	10	6.272 205	37.00	31.45
50	0.1	0.2	720	10	6.272 206	120.40	102.34

LLG-Two-neck round bottom flasks with standard ground joint, borosilicate glass 3.3, angled side neck



Side neck at 20° angle to the middle neck. With white inscription.

Nominal capacity ml	Dimensions (dia. x H) mm	Centre neck NS	Side necks NS	PK	Cat. No.	Price	
						EUR	Now EUR
50	51 x 92	14/23	14/23	1	4.686 152	9.60	8.16
100	64 x 107	14/23	14/23	1	4.686 153	9.82	8.36
100	85 x 142	14/23	14/23	1	4.686 155	12.17	10.34
250	64 x 107	29/32	14/23	1	4.686 154	13.75	11.69
250	85 x 142	29/32	14/23	1	4.686 156	14.34	12.19
500	105 x 165	29/32	14/23	1	4.686 157	18.88	16.05
1000	131 x 203	29/32	14/23	1	4.686 158	22.20	27.37

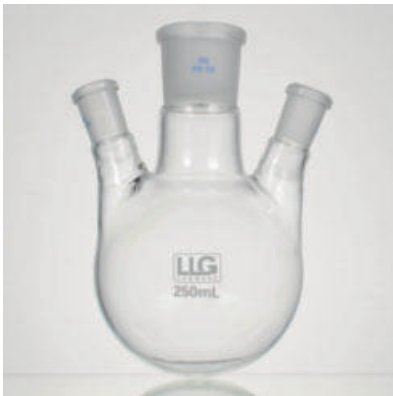
LLG-Three-neck round bottom flasks with standard ground joint, borosilicate glass 3.3, parallel side necks



Side necks are parallel to the centre neck. With white inscription.

Nominal capacity ml	Height mm	Centre neck NS	Lateral neck	PK	Cat. No.	Price	
						EUR	Now EUR
250	140	29/32	NS14/23	1	4.686 166	18.79	15.97
250	140	29/32	NS29/32	1	4.686 169	23.00	19.55
500	163	29/32	NS14/23	1	4.686 167	21.04	17.88
500	163	29/32	NS29/32	1	4.686 170	24.88	21.15
1000	200	29/32	NS14/23	1	4.686 168	33.32	28.32
1000	200	29/32	NS29/32	1	4.686 171	35.63	30.29
2000	240	29/32	NS29/32	1	4.686 172	62.70	53.30

LLG-Three-neck round bottom flasks with standard ground joint, borosilicate glass 3.3, angled side necks



Side necks at 20° angle to the middle neck. With white inscription.

Nominal capacity ml	Height mm	Centre neck NS	Lateral neck	PK	Cat. No.	Price	
						EUR	Now EUR
250	140	29/32	NS14/23	1	4.686 159	18.80	15.98
250	140	29/32	NS29/32	1	4.686 160	21.70	18.45
500	163	29/32	NS14/23	1	4.686 161	21.05	17.89
500	163	29/32	NS29/32	1	4.686 162	24.21	20.58
1000	200	29/32	NS14/23	1	4.686 163	33.32	28.32
1000	200	29/32	NS29/32	1	4.686 164	35.63	30.29
2000	240	29/32	NS29/32	1	4.686 165	62.70	53.30

LLG-Stoppers, with turn-over flange



These stoppers guarantee perfect sealing even with poorly finished rims on glass or plastic bottles. The top of the stopper has a septum which can be punctured by a hypodermic needle. Very secure fit prevents accidental opening of the flask.

Joint size (NS)	Material	PK	Cat. No.	Price	
				EUR	Now EUR
14	Rubber septum	10	4.715 161	8.78	7.46
19	Rubber septum	10	4.715 162	10.82	9.20
24	Rubber septum	10	4.715 163	13.66	11.61
29	Rubber septum	10	4.715 164	15.50	13.18
14	Silicone septum	10	4.715 165	12.80	10.88
19	Silicone septum	10	4.715 166	17.89	15.21
24	Silicone septum	10	4.715 167	20.80	17.68
29	Silicone septum	10	4.715 168	31.21	26.53

Adapter for thermometer, GL45, borosilicate glass 3.3



Manufactured from borosilicate glass 3.3 according to DIN 12257 standard, ideal to use for thermometers with Ø 6 - 8 mm. Screw joint provides easy depth adjustment of thermometer. Seal material: NBR.

Cone	PK	Cat. No.	Price	
			EUR	Now EUR
NS				
14/23	1	4.008 360	10.50	9.98
29/32	1	6.244 589	12.02	11.42

Analytical volumetric solutions



Suitable for manual and automatic titrations.
Tested acc. to ISO17025. Contents: 1000 ml.

Type	PK	Cat. No.	Price	Now
			EUR	EUR
EDTA 0.01 M (0.02 N)	1	4.011 461	24.08	20.71
EDTA 0.1 M (0.2 N)	1	4.011 462	35.35	30.05
Hydrochloric Acid 0.05 M (0.05 N)	1	4.011 493	35.35	30.40
Iodine 0.01M (0.02N)	1	4.696 337	149.87	127.39
Iodine 0.05 M (0.1 N)	1	4.011 501	51.44	44.21
Sodium Hydroxide 0.01 M (0.01 N)	1	4.011 632	46.46	39.96
Sodium Hydroxide 0.05 M (0.05 N)	1	4.011 637	83.14	71.50
Sodium Hydroxide 0.1 M (0.1 N)	1	6.243 899	21.63	18.39
Sulphuric acid 0.005M (0.01N)	1	4.696 388	26.32	22.37
Sulphuric Acid 0.01 M (0.02 N)	1	6.227 710	17.67	15.20
Sulphuric Acid 0.05 M (0.1 N)	1	4.011 679	17.67	15.20
Sodium Thiosulphate 0.01 M (0.01 N)	1	4.011 658	30.84	26.52
Sodium Thiosulphate 0.1 M (0.1 N)	1	6.235 620	21.63	18.39
Silver nitrate 0.01M (0.01N)	1	4.696 362	105.42	89.61
Oxalic Acid 0.05 M (0.1 N)	1	6.251 706	44.01	37.85

Titration indicators



Indicator solutions for endpoint determination in the performance of titrations.

Type	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
Bromocresol purple, 1% (w/v)	500	1	4.684 913	104.97	89.22
Bromophenol blue, 0.1% (w/v)	500	1	4.684 908	82.76	70.35
Cresol red indicator 0.04% (w/v)	500	1	4.684 916	82.76	70.35
Methylene blue, 0.05%	250	1	4.684 918	51.46	43.74
Malachite green indicator 0.05% (w/v)	500	1	4.696 412	72.68	61.78
Phenol red indicator 0.5% (w/v)	500	1	4.696 415	82.76	70.35
Alizarin red solution	125	1	4.684 906	50.02	42.52

Burettes, with straight stopcock, borosilicate glass 3.3, class AS



With class AS, conformity certified, with batch identification, blue graduations, DIN EN ISO 385. PTFE spindle. With and without Schellbach stripes.

Capacity	Grad.	Tolerance	PK	Cat. No.	Price	Now
ml	ml	± ml			EUR	EUR
10	0.02 *	0.020	1	4.008 311	50.32	47.80
25	0.05 *	0.030	1	9.270 100	48.68	46.25
50	0.10 *	0.050	1	9.270 101	49.14	46.68
10	0.02	0.020	1	9.270 102	39.25	37.29
25	0.05	0.030	1	9.270 103	40.73	38.69
50	0.10	0.050	1	9.270 104	42.29	40.18

* with Schellbach stripes

Motor-driven piston burette Titronic® 300

SI Analytics



Motor-driven piston burette with 20 or 50 ml dosing unit. For manual titrations and highly precise dosing tasks. The TITRONIC® 300 can be completely controlled from a PC via the USB- or RS-232-interface. Up to 16 burettes can be connected to one another via the RS232 interface according to the daisy chain principle.

T 300/20 M1: Basic unit without magnetic stirrer with ready to use assembled 20 ml dosing unit TZ 3130 with hoses, fittings and titration tip, controller TZ 3880, titration clamp Z 305, stand rod TZ 1748 and power supply 100-240 V

T 300/50 M1: as T 300/20 M1, only with ready to use assembled 50 ml dosing unit TZ 3160

T 300/20 M2: as T 300/20 M1, additionally with magnetic stirrer TM 50

T 300/50 M2: as T 300/20 M2, only with ready to use assembled 50 ml dosing unit TZ 3160

Interfaces:	USB A and B, 2x RS 232
Keyboard connection:	The unit is operated using the keys on the device itself, the controller TZ 3880 and optional PC-keyboard (USB)
Display:	graphics-capable TFT display
Volume indicator:	000.005 to 9999.999 ml
Display resolution:	0.005
Dosing units:	20 ml or 50 ml dosing unit, interchangeable
Dispensing accuracy:	0.15% system measurement deviation, 0.05% accidental measurement deviation determined in accordance with EN ISO 8665, Part 3
Supply requirements:	230 V, 50/60 Hz
Conformity:	ISO 8665, Part 6

Type	Burette attachment	PK	Cat. No.	Price	Now
	ml			EUR	EUR
T 300/20 M1	20	1	9.863 180	2,118.00	1,927.38
T 300/50 M1	50	1	9.863 181	2,118.00	1,927.38
T 300/20 M2	20	1	9.863 182	2,360.00	2,147.60
T 300/50 M2	50	1	9.863 183	2,360.00	2,147.60

TOP-ALARM,
local Alarm with siren and strobe light



New in assortment

TOP-ALARM is a local, manually triggered alarm with a siren and flashing light. It is powered independently by a 9 V alkaline battery (included). The battery life is approximately one year. Includes battery charge level monitoring.

- High-visibility red LED flashing light
- Very loud siren at approx. 100 dB at a distance of 1 meter
- Connectable 13 up to 20 devices can be connected using a cable
- Independent operation thanks to power supply from 9 V block battery
- Includes battery charge level monitoring
- Weather-resistant and stable design in red plastic
- Illuminated trigger button in alarm mode
- Strobe light: 1 Hz, red
- Protection class: IP55
- Temperature range: -10 °C to +60 °C

External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
160 x 75 x 260	1	6.495 354	EUR 107.25	EUR 92.24

LLG-Disposable Protective Visors



- Transparent visor made of acetate
- With anti-fog coating
- Head holder made of TPU-foam with elastic
- Ideal as a disposable protection, for example, for visitors
- Can be worn over prescription glasses and protective masks
- Weight: 22 g

Description	PK	Cat. No.	Price	Now
LLG-Disposable Protective Visors	20	6.284 812	EUR 61.30	EUR 23.29

Dispenser Variomat PRO Standard



Plastic dispenser for PGP's 1000 ml and 2000 ml collapsible bottles.

- Dispenser made of plastic, white or black cover, grey push button
- Simple operation and filling
- Completely hygienic system as there is no contact between product and dispenser
- Sturdy design
- Dispensing amount adjustable
- Optionally lockable

External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
124 x 134 x 295	1	6.495 056	EUR 40.53	EUR 33.64

Cleansing lotion ECOSAN®



Neutral cleansing syndet, also suitable for the food industry. For use with the Variomat PRO Standard dispenser.

- Transparent skin wash
- Colourant-free
- Soap- and alkali-free
- Skin neutral pH value
- Fragrance-free
- HACCP-compliant

Description	PK	Cat. No.	Price	Now
1-litre Vario bottle	6	6.495 623	EUR 27.92	EUR 34.51
2-litre Vario bottle	6	6.495 622	EUR 69.96	EUR 63.66

LLG glove dispenser, coated wire



Nylon-coated glove dispenser, including wall mounting materials.

- For 3 boxes, can be filled from above or from the front
- For 1 box, can be filled from the side

No. of boxes	Filling	PK	Cat. No.	Price	Now
				EUR	EUR
1	from the side	1	4.711 548	15.20	12.92
3	from above	1	4.711 539	21.36	18.16
3	from the front	1	4.711 540	20.41	17.35

LLG-Disposable Gloves *classic*, Latex

EN ISO 374-1 Type C EN ISO 374-5 EN 420



The ideal glove for all applications which require a high tactile sensitivity.

- Skin-friendly
- Powder-free
- Excellent tactile sensitivity
- High durability due to special formulation
- **Cat. III Low Chemical resistant.** AQL 1.5.
- Thiuram free, reduced risk of contact eczemas

According to EN ISO 374-1:2016/Type C, EN ISO 374-5:2016, EN 420 Suitable for food handling. You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

Glove shape:	flat with rolled edge, ambidextrous
Material:	natural latex
Colour:	natural white
Outside:	textured fingers
Inside:	powder free
Size/Length:	S, M, L, XL/med. 240 mm
Thickness (measured in double layer):	0.20 mm

Eye Wash Bottle, 0.9% NaCl, Sterile



- Choice of 0.2 litre (washing time approx. 2 minutes) or 0.5 litre (washing time approx. 5 minutes) bottles
- Duo wash bottle for both eyes 1000 ml (washing time approx. 5 minutes)
- Ergonomic eye cup - keeps the eyes open during application
- Saline solution (0.9%), conforming to the natural salinity of the eye
- According to DIN EN 15154-4

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Eye wash bottle 0.9% NaCl, 200 ml	1	9.733 794	11.24	10.90
Spare eyewash bottle, 0.9% NaCl, 500 ml	1	9.733 793	14.29	13.86
Eye wash bottle DUO 0.9% NaCl, 1000 ml	1	6.240 397	33.48	32.48

Size	PK	Cat. No.	Price	Now
			EUR	EUR
S	100	9.006 383	9.61	8.17
M	100	9.006 384	9.61	8.17
L	100	9.006 385	9.61	8.17
XL	90	9.006 386	9.61	8.17

LLG-Safety Eyeshields *basic*



- CE approved to EN166 and EN170
- Perfect for visitors as well as over goggles for spectacle wearers
- Integrated side lens with venting, 180° visual field
- Frame made of tested hypo-allergenic material
- 100% UV protection (up to 380 nm)
- Weight: 43 g

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
Clear	10	9.006 002	22.55	19.17

Cleanroom Gloves AdvanTech529, nitrile

EN ISO 374-1 Type B EN ISO 374-5 EN 421



Reinforced mechanical resistance for short-term operations. Manufacturing process guarantees a very low level of contaminants: rates of particles, powder-free, 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. Thickness: 0.1 mm. Length: 300 mm. Packaging: 100 gloves/bag

- **Cat. III**
According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 421

Size	PK	Cat. No.	Price	Now
			EUR	EUR
6	100	6.270 501	32.17	28.95
7	100	6.270 502	32.17	28.95
8	100	6.270 503	32.17	28.95
9	100	6.270 504	32.17	28.95
10	100	6.270 505	32.17	28.95

Adhesive Mats ASPURE, MDPE



Removes dust and dirt from shoe soles in different adhesive levels with a thickness of 35 µm per layer. 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. Medium adhesive, 30 layers. 1 carton with 10 mats, 30 layers.

Colour	Dimensions (D x W) mm	PK	Cat. No.	Price	Now
				EUR	EUR
blue	450 x 900	10	4.659 087	124.98	106.23
blue	600 x 900	10	4.659 088	154.09	130.98
blue	600 x 1200	10	4.659 089	186.12	158.20
white	450 x 900	10	4.659 092	124.98	106.23
white	600 x 900	10	4.659 090	154.09	130.98
white	600 x 1200	10	4.659 091	186.12	158.20

ESD clean room chair, WS 1720 RR ESD



- Backrest upholstered with leatherette, colour: black, (W top/bottom x H: 340/445 x 515 mm), backrest tilt: -10° to +8°
- Seat upholstered with leatherette, colour: black, (W back/front x D: 480/510 x 470 mm), seat tilt: -4° to +10°
- Column, chrome-plated, with column cover
- Five star base, polished with conductive dual castors
- Conductive chair for discharging static electricity electrical resistance: 6 x 10⁶ Ohm
- Certified for class-5 clean rooms acc. to DIN EN ISO 14644-1
- 5 years warranty

Seat height adjustment	PK	Cat. No.	Price	Now
mm			EUR	EUR
510-630	1	4.661 513	696.09	640.32

Cleanroom Wipes Sontara® MicroPure, polyester/cellulose



Sontara® MicroPure nonwovens (cellulose/polyester) have been specially developed for use in cleanrooms.

Type	Dimensions mm	Cleanroom Class	PK	Cat. No.	Price
					EUR
MicroPure 100	305 x 305	ISO 5 + 6	150	9.390 185	37.60
MicroPure 100	224 x 224	ISO 5 + 6	300	9.390 186	37.23
MicroPure AP	305 x 305	ISO 6 - 9	150	9.390 187	38.61
MicroPure AP	224 x 224	ISO 6 - 9	300	9.390 188	36.68
MicroPure SV	305 x 305	ISO 7 - 9	250	9.390 189	39.99
MicroPure SV	224 x 224	ISO 7 - 9	500	9.390 190	49.18



LLG-Lab Stool

- Resistant to all of the usual disinfectants and chemicals.
- Seat upholstery made of artificial leather, 400 mm diameter (soft and comfortable, washable and antibacterial) or soft-touch PU foam, 350 mm diameter (extremely robust, washable and antibacterial) in black.
- Seat height adjustment by gas spring.
- With certificate "Tested Safety" (GS mark).
- 10-year warranty, Made in Germany.

Material	Description	PK	Cat. No.	Price	Now
				EUR	EUR
PU foam	Castors	1	6.287 757	151.14	128.47
PU foam	Castors, foot ring	1	6.314 807	231.52	196.79
PU foam	Glides, foot ring	1	6.287 759	192.36	163.51
Artificial leather	Castors	1	6.287 758	147.29	125.12
Artificial leather	Glides, foot ring	1	6.287 760	188.21	159.98

LLG-Lab Chair

- Can be disinfected and is chemical-resistant: Resistant to all standard disinfectants and chemicals.
- Seat and backrest upholstery available in either faux leather (soft and comfortable, washable and antibacterial) or soft-touch PU foam (extremely durable, washable and antibacterial) in black.
- Seat height continuously adjustable via gas spring.
- Backrest adjustable in height and angle.
- Bears the Tested Safety seal (GS mark).
- 10-year warranty, Made in Germany.

Material	Description	PK	Cat. No.	Price	Now
				EUR	EUR
PU Foam	Castors	1	6.287 750	228.14	193.92
Artificial Leather	Castors	1	6.287 753	223.79	190.22
PU Foam	Stop and Go Castors, Foot Ring	1	6.287 752	277.13	235.56
Artificial Leather	Stop and Go Castors, Foot Ring	1	6.287 755	272.79	231.87

Safety Storage Cabinets S-CLASSIC-90 WD



Safe and approved storage of hazardous materials in workrooms

- Type proved according to EN 14470-1, fire resistance 90 minutes
- Compliant with DIN EN 16121/16122, GS certified, CE compliant
- Outer body made of sheet steel, colour light grey (RAL 7035), interior with chemical resistant surface
- Lockable doors with cylinder lock (integration into a locking system possible)
- Adjusting aids for compensation for uneven floor
- Ventilation connection (NW 75) in the cabinet ceiling
- Standard door open arrest system holds doors open, safe and convenient storage and removal
- Shelves, height adjustable (32 mm increments), load capacity 75 kg (evenly distributed load), bottom collecting sump with perforated insert as a first storage level. Capacity bottom collecting sump: 33 litre (model width 1200 mm), 22 litre (model width 600 mm)

Scope of delivery: S-CLASSIC-90 WD safety cabinet, model S90.196.120, including interior fittings

- (1) **6.282 015:** with 3 shelves, 1 perforated plate insert
- (2) **7.671 314:** with 4 shelves, 1 perforated plate insert, 1 drip tray (powder-coated sheet steel)
- (3) **7.940 686:** with 3 shelves, 1 floor drip tray (powder-coated sheet steel)
- (4) **6.323 841:** with 4 shelves, 1 floor drip tray (powder-coated sheet steel)

External dimensions (WxDxH): 1.196 x 616 x 1.968 mm
Internal dimensions (WxDxH): 1.050 x 524 x 1.742 mm

Type	PK	Cat. No.	Price	Now
			EUR	EUR
(1) S-Classic-90 WD	1	6.282 015	3.330.00	3,163.50
(2) S-Classic-90 WD	1	7.671 314	3.380.00	3,211.00
(3) S-Classic-90 WD	1	7.940 686	3.280.00	3,116.00
(4) S-Classic-90 WD	1	6.323 841	3.330.00	3,163.50

Vortexer LLG-uniTEXER multi



The LLG-uniTEXER multi enables vortexing of different tubes without the need to use an additional adapter. The carrier head accommodates e.g. 1 x assay plate, 2 x 50 ml conical tubes, 2 x 15 ml conical tubes, 2 x 5 ml conical tubes, 4 x 1.5/2 ml microcentrifuge tubes, 6 x 0.5 ml and 24 x 0.2 ml microcentrifuge tubes.

Scope of supply: Vortexer, 1 x universal attachment, manual

Type of movement: Orbital/vortex
 Orbital diameter: 3.7 mm
 Speed range: 0 ... 3000 rpm
 Dimensions (W x D x H): 171 x 190 x 197 mm
 Weight: 3.9 kg
 Power supply: 220 ... 240 V, 50 ... 60 Hz

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniTEXER multi	EU	1	6.263 507	EUR 250.07	EUR 213.32
LLG-uniTEXER multi	UK	1	6.263 508	EUR 250.09	EUR 213.34

Universal shakers, SM 30



Powerful shakers for large loads. Choice of orbital or reciprocating action models. Programmable controller with Touch-Display and advanced features for control devices.

Scope of supply: supplied with shaking rack and rubber mat. Attachments required, please order separately.

Speed range: 15 ... 300 rpm
 stepless, electronic adjustment,
 control devices in steps of 5
 Orbit or travel: 26 mm (A + C models)
 30, 46 or 50 mm (B models)
 Max. loading: 30 kg
 Timer: 0 ... 120 min/continuous, control devices
 programmable/continuous
 Platform (W x D): 560 x 400 mm
 Overall (W x D x H): 680 x 610 x 160 mm
 Weight: 33 kg
 Supply requirements: 230 V, 50/60 Hz

Type	Type of movement	PK	Cat. No.	Price	Now
SM 30 A	orbital	1	9.838 101	EUR 3,172.00	EUR 3,076.84
SM 30 B	reciprocating	1	9.838 111	EUR 3,151.31	EUR 3,056.77
SM 30 C	orbital, reciprocating	1	9.838 115	EUR 4,086.58	EUR 3,963.98

Vortex mixers WIZARD/TX4 with IR sensor



- IR sensor for sample detection
- Very good chemical resistance



WIZARD



TX4

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.

WIZARD: Compact, analogue vortex mixer
TX4: Digital vortex mixer with timer and LCD display

Scope of delivery: Vortex mixer with mixing head

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	Net weight	Plug type	PK	Cat. No.	Price	Now
	kg				EUR	EUR
WIZARD	2.2	EU	1	4.666 536	249.00	236.55
WIZARD	2.7	UK	1	6.325 235	251.00	238.45
TX4	2.7	EU	1	4.666 537	303.00	287.85
TX4	2.7	UK	1	6.325 236	305.00	289.75

Accessories for universal shaker SM 30



Type	PK	Cat. No.	Price	Now
Rack system Combifix SM, Set A	1	9.838 201	EUR 447.00	EUR 433.59
Universal tray SM (without spring clamps)	1	9.838 210	EUR 299.00	EUR 290.03

Overhead stirrer RW 20 digital



- Technical improvements on the trusted RW20 series design, mechanically controlled
- with digital display
- robust, ergonomic design
- constant power-drive
- two speed ranges for universal use from 60 rpm to 2000 rpm
- hollow-shafted chuck for rotor shaft height adjustment

Stirring volume max. (H₂O): 20 L
 Viscosity range: up to 10000 mPas
 Max. stirring shaft torque (at 100 rpm.): 150 Ncm
 Chuck/Clamping range: 0.5 bis 10 mm
 Dimensions (W x D x H): 88 x 212 x 294 mm
 Weight: 3.1 kg
 Protection class acc. to DIN EN 60529: IP20
 Supply requirements: 230 V 50/60 Hz
 Tested to DIN EN IEC 61010-1.

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
RW 20 digital	EU	1	9.816 622	1,509.00	1,297.74
RW 20 digital	UK	1	6.227 717	1,509.00	1,297.74
RW 20 digital	CH	1	6.239 372	1,509.00	1,297.74

Crescent-shaped stirring rotors, PTFE

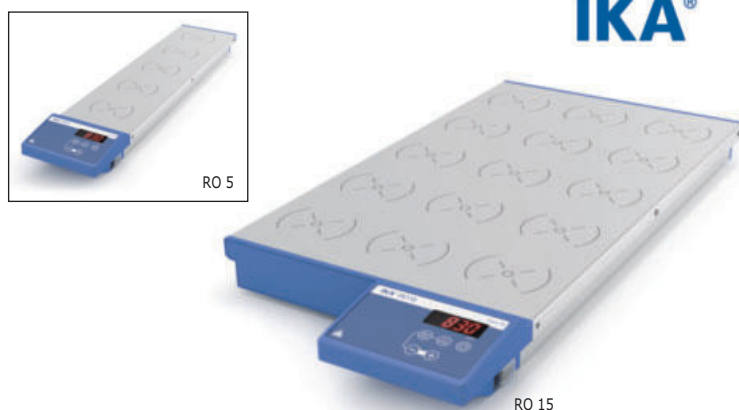


BOHLENDER

The semi-circular shape of the paddle is ideal for mixing in round-bottom flasks. The pivoting blade allows insertion into vessels with narrow necks and/or ground joints.

Ø agitator	Ø agitator shaft	To fit chuck diam.	Length	PK	Cat. No.	Price	Now
						EUR	EUR
65	8	6.5	350	1	9.197 121	163.54	150.46
90	8	6.5	350	1	6.086 868	181.51	166.99
90	8	6.5	450	1	9.197 122	158.61	145.92
90	10	8.0	350	1	9.197 127	179.66	165.29
90	10	8.0	450	1	9.197 124	170.89	157.22
90	10	8.0	600	1	9.197 125	198.68	182.79
125	8	14.0	800	1	6.523 357	246.04	226.36
125	16	14.0	800	1	9.197 126	318.66	293.17

Multi-position magnetic stirrers RO 5/10/15 series



Digital multi-point magnetic stirrer with 5, 10 or 15 synchronised stirring points. Thanks to noiseless coil drive technology, the speeds are identical at all stirring points. A removable transparent anti-slip film is included in the scope of delivery.

- Adjustable reverse operation
- Wear-free magnetic coils
- Error Code Display
- Easy operation with touch keypad
- Suitable for continuous operation
- Adjustable speed in increments of 10 rpm

Max. stirring quantity per stirring position (H₂O): 0.4 l
 Distance between stirring places: 90 mm
 Speed range: 0 to 1200 rpm
 Speed display: LED
 Set-up plate material: stainless steel 1.4301
 Protection class acc. to DIN EN 60529: IP 40
 Power supply: 100-240 V, 50/60 Hz

Type	Stirring positions	Dimensions (W x D x H)	PK	Cat. No.	Price	Now
				EUR		EUR
RO 5	5	120 x 570 x 60	1	9.720 208	1,720.00	1,479.20
RO 10	10	190 x 570 x 60	1	9.720 222	1,985.00	1,707.10
RO 15	15	280 x 570 x 60	1	9.720 226	2,725.00	2,386.50

Magnetic stirrer ARE 5

velp

Magnetic stirrer with heating and aluminium alloy heating plate ensures good temperature homogeneity and optimum heat transfer.

- Powerful, brushless motor
- Robust die-cast aluminium housing
- Analogue speed control
- Hot warning indicator when plate temperature exceeds 50 °C
- SpeedServo™ technology keeps speed constant when viscosity changes



Stirring volume max.: 15 l
 Speed range: 100 to 1.500 rpm
 Dimensions (W x D x H): 160 x 270 x 85 mm
 diam. Working area: 135 mm
 Supply requirements: 230 V, 50/60 Hz

Type	PK	Cat. No.	Price	Now
			EUR	EUR
ARE 5	1	4.688 307	332.00	302.12

Analytical balance Type ACJ



The bestseller in analytical balances, now with a high-quality single-cell weighing system.

- With EC type approval, integrated RS-232 and USB data interface
- Automatic internal adjustment in the case of a change in temperature >2 °C or time-controlled every 4 hours
- Dosage aid: High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function
- Large LCD, digit height 14 mm

A DAkkS calibration with a DAkkS calibration certificate is optionally available and must be specified when ordering the balances.

Overall dimensions (W x D x H): 210 x 340 x 325 mm
 Dimensions weighing space (W x D x H): 174 x 162 x 227 mm
 Permissible ambient temperature: 10 °C/30 °C
 Net weight: approx. 6 kg

Type	Capacity	Readability		PK	Cat. No.	Price	
		g	mg			EUR	EUR
ACJ 100-4M	120	0.1		1	6.316 869	1,430.00	1,287.00
ACJ 200-4M	220	0.1		1	4.680 330	1,530.00	1,377.00

Precision balance PNJ



With robust tuning fork weighing system for fast display of the weight value, accurate dosing and high mechanical load capacity.

- Models with internal calibration function and guaranteed high accuracy, thus location-independent and ideal for mobile, legal-for-trade applications.
- Capacity indicator: an increasing luminous band shows the still available weighing range
- Large LCD display, digit height 16.5 mm
- Allowable ambient temperature range: 5 to 40 °C
- Universal power supply with adapters EU/UK/US

Type	Capacity	Readability		PK	Cat. No.	Price	
		g	g			EUR	EUR
PNJ 600-3M	620	0.001		1	6.270 591	960.00	864.00
PNJ 3000-2M	3200	0.01		1	7.643 634	900.00	810.00

Needle printer YKT-01

- Large LCD display
- GLP-compliant printout
- Printout of date and time to document the weighings with a time stamp
- Specification of name, batch number and ID
- Display and printout of tare, gross and net weights
- Multiple weighing for storing and processing multiple consecutive weighings
- Recipe function
- Totalising function
- Statistical function

The printer is supplied without an interface cable. Please order separately depending on the model of the scales.



Display type	Dimensions (W x D x H) mm	Plug type	PK	Cat. No.	Price	Now
LCD	114.6 x 188.2 x 86.6	EU/UK/CH/US/AUS	1	6.494 403	580.00	522.00

Antivibration plates, granite

KERN

The antivibration plates have been constructed to absorb vibrations and oscillations, which would otherwise distort the weighing result from precision and analytical balances. They are also suitable for vibration-free positioning of microscopes.

- Polished granite, positioned on absorbing rubber components
- Easy to clean

External dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
mm	kg			EUR	EUR
400 x 450 x 60	30	1	4.685 143	760.00	684.00
565 x 450 x 60	42	1	4.685 144	990.00	882.00

LLG-Sample dishes, Aluminium

LLG
LABWARE

High quality aluminium.

Description	Diam.	Height	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Sample dishes	90	7	80	6.282 670	15.82	13.45
Sample dishes	100	7	80	6.265 408	16.16	13.74
Sample dishes with rim	100	7	80	6.281 537	16.16	13.74

LLG weighing scoops, porcelain

LLG
LABWARE

Length	PK	Cat. No.	Price	Now
mm			EUR	EUR
37	1	9.115 350	2.63	2.24
53	1	6.241 255	2.83	2.41
64	1	9.115 351	3.02	2.57

Weighing paper MN 226

MN

Transparent, smooth. 40 g/m² paper.
Block of 100 sheets.

Width	Length	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
90	115	100	9.058 975	14.50	12.33

Balance brush



Consisting of one brush each size 2/6 mm,
size 4/9 mm and size 6/12 mm.

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Brush set	1	6.266 825	27.39	25.75

Ultra pure water system OmniaPure xs^{basic}



Special Campaign set including free replacement cartridges

stakpure



For ultra pure water type I.

Ultra pure water of the highest quality for analytical and life science applications in the laboratory. With the standard dispenser and monitoring unit OptiFill^{basic}, laboratory vessels can be filled conveniently and precisely. The recirculation function prevents the growth of biofilms.

- Compact design
- Can be used with deionised water
- Dispenser pivotable up to 170°
- Ergonomic, flexible dispenser and monitoring unit OptiFill^{basic} with graphic display
- Real-time display of all operating and performance parameters
- Setting possibilities for conductivity in MΩ x cm or μS/cm
- Password access
- 2 languages selectable: DE, EN
- Leakage sensor
- Integrated pressure reducer
- Automatic voltage adjustment

Applications:

OmniaPure xs^{basic}: AAS, IC, ICP, buffers and media preparation

OmniaPure xs^{basic} UV: Ultra trace analysis, ICP-MS, HPLC, TOC analysis

Scope of supply: Ultra pure water system, pre-treatment cartridge, ultra pure water cartridge, sterile filter capsule (0.2 μm)

Withdrawal capacity:	Up to 2 l/min
Resistance at 25 °C:	18.2 MΩ x cm
Conductivity at 25 °C:	0.055 μS/cm
Bacteria (with filter):	<0.01 KBE/ml
Particles (with filter):	<1/ml
Feed water conductivity at 25 °C:	<100 μS/cm

Type	PK	Cat. No.	Price	Now
			EUR	EUR
OmniaPure xs ^{basic}	1	4.686 066	4,097.29	3,769.51
OmniaPure xs ^{basic} UV	1	4.686 067	4,817.48	4,432.08

Water stills Puridest

LAUDA



The water stills Puridest produce high-purity, low-gas, germ-free and pyrogen-free distillate, e.g. for diluting reagents and samples. After a direct connection to the raw water and the power supply, ultrapure water can be drawn off directly. The glass water stills deliver water that is almost free of metal ions.

- Distillates with conductance values up to 1.6 μS/cm, comply with the DAB regulations and the provisions of international pharmacopoeias
- Without the use of consumables
- Maintenance needs are limited to simply cleaning contaminants from the still
- With LED indicators for operating status and cleaning requirements (PD 2 and PD 4 only with LED indicators for operating status)

Type	Output	Water consumption	PK	Cat. No.	Price	Now
	L / hr.	approx. L / hr.			EUR	EUR
PD 4	4	40	1	9.910 681	1,580.00	1,501.00
PD 4 R	4	48	1	9.910 683	2,220.00	2,109.00
PD 8 R	8	72	1	9.910 684	2,780.00	2,641.00
PD 12 R	12	198	1	9.910 685	3,700.00	3,515.00

Distilled water



Capacity	PK	Cat. No.	Price	Now
L			EUR	EUR
10.0	1	6.273 852	12.02	11.66
20.0	1	6.280 900	24.62	23.88
60.0	1	6.289 280	66.86	64.85

Mini-Diaphragm vacuum pumps LABOPORT® N96, chemically-resistant

! **Topseller**



The Pump combines a high flow rate with a very compact design. Due to the manual rotational speed control, the pump is quiet, very energy efficient, and can be optimally adjusted in accordance with the application.

- Easy-to-clean surface
- Very small footprint
- Adjustable in flowrate due to manual rotational speed control
- PTFE-coated diaphragm for use with aggressive/corrosive gases and vapours

Ultimate vacuum (abs.): <130 mbar
 Operating pressure: 2.5 bar
 Connectors for tube: ID 6 mm
 Permissible ambient temperature: 5 ... 40 °C
 Pump head: PPS
 Diaphragm: PTFE coated
 Valves: FKM

Flow rate L / min.	Ultimate vacuum mbar (abs.)	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
7	130	75 x 156 x 119	1	4.672 374	498.00	458.16

Digital vacuum gauge THERMOVAC TM 201



The vacuum gauge combines a piezoresistive sensor for high-pressure measurements with a heat conducting Pirani sensor for low-pressure measurements. It can measure both absolute pressure and relative pressure (-1060 to 340 mbar), thus supporting leak detection and pressure monitoring. The integrated data logger records measurements with a time stamp. Stored data can be easily transferred via USB-C or Bluetooth® LE and analysed with the optional VacuGraph™ software.

- LCD graphic display and intuitive menus facilitate operation
- Adjustable gas type correction factor
- Power supply: Li-battery is charged via the USB port

Type	Measuring range mbar	PK	Cat. No.	Price EUR	Now EUR
TM 201	0.00005 ... 1.200	1	4.714 985	1,357.63	1,249.02
Storage case	-	1	4.714 987	187.13	172.16

Rotary vane pumps RZ 6, Set



RZ 6+FO+VS 16+VACUU-VIEW extended

The powerful rotary vane pumps are ideal for laboratory and process applications that require a very good ultimate vacuum at medium to increased gas flow rate. Typical applications are lyophilisation, fine vacuum distillation, and drying chambers.

- High flow rate even at vacuum levels approaching ultimate vacuum
- High water vapour tolerance due to efficient gas ballast
- Very good ultimate vacuum even with gas ballast
- Vacuum-tight at switch-off without suction nozzle valve
- Long oil change intervals due to large usable oil volume
- Easy maintenance due to telescopic design

Scope of supply: Rotary valve pump, exhaust filter FO, shut-off valve VS 16, operating instructions, optional VACCUVIEW extended vacuum gauge

Type	Plug type	PK	Cat. No.	Price EUR	Now EUR
RZ 6+FO+VS 16	EU	1	4.691 552	3,295.00	2,965.50
RZ 6+FO+VS 16	UK	1	4.691 553	3,295.00	2,965.50
RZ 6+FO+VS 16	CH	1	4.691 551	3,295.00	2,965.50
RZ 6+FO+VS 16+VACUU-VIEW extended	EU	1	4.691 560	4,185.00	3,766.50
RZ 6+FO+VS 16+VACUU-VIEW extended	CH	1	4.691 561	4,185.00	3,766.50

Condensation traps, borosilicate 3.3, two-piece



Side connections with hose connectors.

Capacity ml	Cone NS	Socket NS	PK	Cat. No.	Price EUR	Now EUR
100	29	29	1	9.305 350	132.15	118.94
250	45	45	1	9.305 351	150.17	135.15



Rotary Evaporator Hei-VAP Core



- Residual Heat Warning
- With Hand Lift
- Vertical Glass Set

Clear and intuitive, with direct access at all times to the basic parameters of rotation speed and heating bath temperature. Designed for integration into an existing vacuum system or for configuration with an optional vacuum controller.

- With a hand lift
- Clear digital display showing current values and a button to display the set values
- Direct access to rotation and heating bath via separate rotary push-buttons with LED activity indicator
- Value lock function to prevent accidental adjustment or overheating
- Residual heat warning at >50 °C
- Standby button stops all functions and, on Motorlift models, retracts the evaporator piston from the heating bath
- Thanks to an optional cable extension, the control unit can also be mounted outside enclosed fume cupboards

Scope of delivery: Diagonal condenser, Easy-Clip flask clamp, vapour feed-through, vent cap, heating bath, 1 l receiving flask, 1 l evaporating flask.

Drive

Speed range: 10 ... 280 rpm
 Speed display: Digital
 Stroke displacement: 155 mm
 Protection class: IP 20

Heating bath

Bath volume: 4.5 L
 Temperature range: Ambient ... 210 °C
 Power input: 1300 W
 Protection class: IP 67

General data

Max. size evaporating flask: 5 L
 Condensing surface: 1400 cm²
 Power supply: 230 V



Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
G1 Angled condenser	EU	1	4.666 085	3,938.00	3,819.86
G1 Angled condenser	UK	1	4.666 107	3,938.00	3,819.86
G1 Angled condenser	CH	1	4.666 127	3,938.00	3,819.86

Lab Unlimited
CARL STUART GROUP

A CALIBRE SCIENTIFIC COMPANY



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Labortops

PARTNER OF
LLG
 Laboratory Supply Solutions