Labortops 2/2024



BALLOON AND WIDE NECK BOTTLES

11111

- New Assortment
- High Quality

New

Large Selection



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GENERAL LABORATORY SUPPLY



Autoclavable. Polypropylene rack has 96 wells for 0.5 ml microcentrifuge tubes on one side and 96 wells for 1.5 ml to 2.0 ml microcentrifuge tubes on the other side. Wells are arranged in a standard 8 x 12 array. The handy lid snaps into place using tabs on each end of the rack. Dimensions (L x W x H): 246 x 121 x 50 mm.

You can find our complete range on our website.

Colour

Blue, green, pink, yellow and orange

PK Cat. No.

5 9193982*LLG

GENERAL LABORATORY SUPPLY



- New Assortment

- For Transportation and Storage





LLG-Carboy with screw cap made of PP for storing and dispensing media, solutions and other liquids. The practical shoulder handle facilitates transport and pouring.

- With graduation
- Autoclavable
- Stable bottom with curved corners
- Leak-proof

2A

Capacity I	Dimensions (dia. x H) mm	Neck diam. mm	Cap size	PK Cat. No.
10	249 x 376	65	83	1 4692534*LLG
20	285 x 518	65	83	1 4692535*LLG
50	376 x 665	65	83	1 4692536*LLG

LLG-Wide mouth bottle, PP



Ideal for easy filling, storage or transport of liquids, powders and granulates.

- With a screw cap made of PP
- Autoclavable
- Bottom with curved corners
- Leak-proof

Capacity	Diam.	Neck diam. int.	Height	PK Cat. No.
ml	mm	mm	mm	
30	34.8	21.4	59.8	12 4692538*LLG
60	39.7	21.3	82.5	12 4692539*LLG
125	50.6	28.6	95.5	12 4692540*LLG
250	61.6	33.0	127.4	12 4692541*LLG
500	73.1	43.8	164.0	12 4692542*LLG
1000	92.7	53.3	195.0	6 4692543*LLG

powders and granulates. - With screw cap

- Exceptional chemical resistance to most acids, bases and alcohols
- Autoclavable
- Leak-proof

Capacity	Dimensions (W x D x H)	Cap size	Neck diam. int.	PK Cat. No.
ml	mm		mm	
125	39.4 x 60.0 x 97.3	28	21.1	12 4692551*LLG
250	54.0 x 75.5 x 112.0	38	28.8	12 4692552*LLG
500	64.7 x 100.0 x 140.6	48	38.0	12 4692553*LLG
1000	70.2 x 125.2 x 175.0	53	43.7	6 4692554*LLG

LLG-Wide mouth bottle, HDPE, round

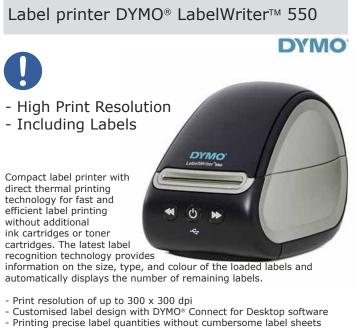


Ideal for easy filling, storage or transport of liquids, powders and granulates.

- With a screw cap made of PP
- Excellent chemical resistance
- Autoclavable
- Bottom with curved corners
- Leak-proof

Capacity	Diam.	Neck diam. int.	Height	PK Cat. No.
ml	mm	mm	mm	
30	34.6	21.0	59.1	12 4692544*LLG
60	39.2	21.1	81.5	12 4692545*LLG
125	50.3	28.3	94.7	12 4692546*LLG
250	60.9	32.8	127.0	12 4692547*LLG
500	72.7	44.0	164.0	12 4692548*LLG
1000	92.0	51.9	195.0	6 4692549*LLG
2000	119.0	90.8	236.0	1 4692550*LLG

GENERAL LABORATORY SUPPLY



- Automatic energy-saving mode
- PC connection via USB interface

Scope of supply: Label printer, 1 x label starter roll (28 x 89 mm), power adapter, power cable, USB cable, quick start guide.

Specifications

Max. label width:	59 mm
Print speed:	62 labels/min.
Dimensions (WxDxH):	127 x 187 x 136 mm
Weight:	640 g
Power supply:	100 240 V, 50/60 Hz, 24 V

PK Cat. No.

DYMO[®] LabelWriter[™] 550

Туре

Deep freeze labels TOUGH-SPOTS®





Adhesive dots for 0.5/1.5/2.0 ml reaction tubes. Temperature resistance from -196 °C to 80 °C. Tear-resistant, can be written on with almost any marker.

Diam.	Colour	For vessels	РК	Cat. No.
mm				
9.5	White	0.5 ml Tubes	1000	9040711*LLG
9.5	Blue	0.5 ml Tubes	1000	9040712*LLG
9.5	Green	0.5 ml Tubes	1000	9040713*LLG
9.5	Red	0.5 ml Tubes	1000	9040714*LLG
9.5	Yellow	0.5 ml Tubes	1000	9040715*LLG
13.0	White	1.5/2.0 ml Tubes	1000	9040716*LLG
13.0	Blue	1.5/2.0 ml Tubes	1000	9040717*LLG
13.0	Green	1.5/2.0 ml Tubes	1000	9040718*LLG
13.0	Red	1.5/2.0 ml Tubes	1000	9040719*LLG
13.0	Yellow	1.5/2.0 ml Tubes	1000	9040720*LLG
13.0	Lavendel	1.5/2.0 ml Tubes	1000	6287530*LLG

Sample transport box DuraPorter® XL



High-capacity container for the safe and convenient transport of laboratory samples, instruments and valuable items. Specially designed to meet the stringent demands of clinical and research laboratories.

- Also meets transport requirements for secondary packaging as per UN3373
- Dual latches with security tag feature to protect providing tamper-evidence
- With silicone seal for airtight and watertight closure
 Different inserts for a variety of tube sizes are available separately

Scope of supply: Sample transport box, insert MultiTube Rack.

Specifications

Dimensions (WxDxH): With lid: Stackable:	406 x 413 x 178 mm Yes No		
Colour		PK	Cat. No.
Blue		1	4692499*LLG
Red		1	4692500*LLG
Yellow		1	4692501*LLG

Inserts for sample transport box DuraPorter XL



Suitable for a variety of reaction tubes and blood collection tubes.

- Separately usable

- The lid can be easily and fully removed
- Sufficient depth for filling with ice

For tubes diam.	For tubes	Array	PK Cat. No.
mm	ml		
13	3.5 7.5	168	3 4692503*LLG
18	10 15	100	3 4692502*LLG
13 30	3.5 50	-	3 4692504*LLG

Cleanroom Gloves AdvanTech529, nitrile







Enhanced mechanical resistance for short-term operations. The manufacturing process guarantees a very low level of contaminants: particle rates, powder-free, non-volatile residue, extractable content; compliant with ISO 5 class (Class M3.5 for International systems). 100% nitrile formula enables anti-static properties. Offers protection against accidental chemical splashes. Recommended for people who are sensitive to the proteins in natural latex. Thickness: 0.1 mm. Packaging: 100 gloves/bag

- Cat. III

Size

2A

According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 421

Length	PK	Cat. No.
mm		
300	100	6270501*LLG
300	100	6270502*LLG
200	100	C270E02*11C

300	100	6270501*LLG
300	100	6270502*LLG
300	100	6270503*LLG
300	100	6270504*LLG
300	100	6270505*IIG

Cleanroom Wipes Sontara[®] MicroPure, polyester/cellulose



Sontara® MicroPure nonwovens (cellulose/polyester) have been specially developed for use in cleanrooms. The nonwoven combines the absorbency of natural fibres with the purity and strength of a synthetic material. No binding agents or chemicals are used in its manufacture. Due to its cellulose content, the nonwoven material has a high absorption capacity for particles and liquids.

Туре	Dimensions	Cleanroom Class ISO	PK	Cat. No.
	mm			
100	305 x 305	5 + 6	150	9390185*LLG
100	224 x 224	5 + 6	300	9390186*LLG
AP	305 x 305	6 - 9	150	9390187*LLG
AP	224 x 224	6 - 9	300	9390188*LLG
SV	305 x 305	7 - 9	250	9390189*LLG
SV	224 x 224	7 - 9	500	9390190*LLG



Sticky Swabs - ESD-safe cleaning stems: Lint-free sticky swabs are specially used and designed for a high-degree dust-free environment (class 10-100). Anti-static treatment can safely dissipate electrostatic charge. Sticky swabs are applicable for manufacturing and assembling static-sensitive products. Property: ESD safe, effective absorption, soft and good tenacity, excellent agility, non-volatile, environment-friendly, no thrill odour.

Material: Tip: Handle:	PVAC (Polyvinyl acetate), Ethyl acetate - Isopentyl acetate PVC		
Description	Cleanroom Class ISO	PK	Cat. No.
1 mm Ø	1-2	25	6272061*LLG
2 mm Ø	1-2	25	6272062*LLG
3 mm Ø	1-2	25	6272063*LLG
Kit, box of 75 swabs mixed (25 x 1mm, 25 x 2 mm, 25		1	6272064*LLG



Panoramic Eyeshield is designed for use in rooms with controlled contaminations (sterile and clean rooms) or aseptic conditions. Its soft structure supports multiple repetitive stream cycles and gamma or beta sterilization without perceptible changes.

- Sterilizable through autoclave with steam

Panoramic Eyeshield 619

- New elastic strap in antistatic silicone
- Innovative quick elastic band adjustment system
- With direct ventilation

Lens	PK	Cat. No.
clear / 2C-1.2 U 1 B CE	1	6286800*LLG

PERSONAL PROTECTION

LLG-Laboratory coat, 100% cotton



- Very sturdy material, excellent wearing comfort
- Snap fasteners (press buttons); easy and quick to open
- With fold-down collar
- One outside breast pocket and two side pockets Washable up to 60 $^{\circ}\mathrm{C}$
- Ladies coat with stitched-down back belt

Material: Colour: Weight:	100% cotton White 220 g/m²		
Description	Size	РК	Cat. No.
Ladies coat	36/38	1	9414342*LLG
Ladies coat	40/42	1	9414343*LLG
Ladies coat	44/46	1	9414344*LLG
Mens coat	44/46	1	9414345*LLG
Mens coat	48	1	9414346*LLG
Mens coat	50	1	9414347*LLG
Mens coat	52	1	9414348*LLG
Mens coat	54	1	9414349*LLG
Mens coat	56	1	9414350*LLG

LLG-Safety Eyeshields basic +



- CE approved to EN 166 and EN 170
- Economic Safety Eyeshields are ideal for essential protection
- 180° field of vision
- Frame made of tested hypo-allergenic material
- 100% UV protection (up to 380 nm)
- Especially light
- Weight: 23 g

Lens

Clear, uncoated, 2-1.2 U 1 F CE



PK Cat. No.

10 6290868*LLG

Laboratory coat Kimtech™ A7 P+, PP



- Certified PPE Cat III
- acc. to directive 89/686/EEC - Type 6 limited chemical splash
- protection
- Micro-organism protection tested
 EN1149-1:1995 Antistatic clothing
- High-performance
- chemical-resistant fabric
- Low lint fabric, Helmke Drum Category II

- 99% particle and bacterial filtration efficiency
 Individually packed, 15 p. in an automatical package for ISO 7. outer package for ISO 7 Grade C areas
- Silicon-Free
- Abrasion-resistant film-coated
- polypropylene
- Mandarin collar
- Elastic cuff, thumb-loops and extra-length arms
- High strength triple stitched seams



Size	PK	Cat. No.
S	15	4653906*LLG
M	15	4653907*LLG
L	15	4653908*LLG
XL	15	4653909*LLG
XXL	15	4653910*LLC

Premium Respirators 8825+ and 8835+, Moulded Masks



Respirators Premium 8825+ and 8835+ moulded masks offer the new patented 3-dimensional face seal with integrated nose profile of 3M Premium+ Series, the convenience of a disposable mask, as well as the concept of tailormade face seal of reusable respirator masks. The face seal of the masks 8825+ and 8835+ improves the sealing fit. The profile of the respirator directs the air escaping through the filter medium away from the face. The upward air flow is minimized as much as possible, reducing the fogging of safety glasses.

	rization: g standard	ls:	EU construction test EN 149:2001		
Туре	Protection- level	Usage restrictions		PK	Cat. No.
8825+ 8835+	FFP2 RD FFP3 RD	12 x TLV 50 x TLV		-	6284248*LLG 6284249*LLG

PERSONAL PROTECTION



Safety shower combination ClassicLine,

free-standing

Safety Shower Test Cart, Tank Capacity 30 litres, Mobile



LLG-Disposable Gloves, standard long, Nitrile, Powder-Free EN ISO 374-1 EN ISO 374-5 EN 421 EN 420 Type B Disposable protective gloves in nitrile with enhanced comfort during use and provide greater chemical protection the standard glove for the laboratory. - For forearm protection, 300 mm length - Very comfortable to wear - For single use in applications with an increased need for safety when handling chemicals - Free from phthalates/softeners and allergenic latex proteins - Particularly skin-friendly - Colour blue - suitable for areas subject to HACCP standards - Cat. III. AQL 1.5. According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 421, and EN 420 are suitable for food handling.

You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

Glove shape: f Material: r Colour: b Outside: t Inside: s Size/total length: s Thickness (measured in double layer): c

flat with rolled edge (ambidextrous) nitrile blue textured powder-free halogenated S, M, L, XL/med. 300 mm **0.16 mm**

Size

М

XL

100	6270366*LLG
100	6270367*LLG
100	6270368*LLG
90	6270369*LLG

Glove Box Pure, PMMA





PK Cat. No.

Aluminium frame with acrylic glass (PMMA) panes, polyethylene base. With a pair of size 9 gloves made of UV-resistant EPDM. Integrated UV lamp with lifetime monitoring in the top for surface and air disinfection in the work area, lamp can be replaced.

Capa Inter Max. Inlet Work	ifications city Box: nal Dimensions B Load Box: openings: ing Temperature r supply:	Box (W x D x H): Range:	290 I 850 x 540 x 650 mm 40 kg Ø 190 mm -20 - 70 °C 240 V, 50/60 Hz
Туре	External dimensions (W x D x H)	Weight	PK Cat. No.

kq

You can find our complete range on our website.

Pure

mm

1210 x 600 x 700

1 6312313*LLG

WASTE DISPOSAL

LLG-Autoclavable bags, PP





Produced from durable PP film with a broad seam at the bottom. For the disposal of contaminated labware. When autoclaving, the neck of the bag must be left open. Film thickness: 50 $\mu m.$

Description	Dimensions (D x W) mm	Auto- clavable at	PK	Cat. No.
standard	400 x 780	134 °C	250	9404221*LLG
standard	500 x 780	134 °C	250	9404222*LLG
standard	600 x 800	134 °C	250	9404223*LLG
standard	600 x 780	134 °C	100	9404103*LLG
standard	700 x 1100	134 °C	250	9404224*LLG
standard	700 x 1100	134 °C	75	9404105*LLG
highly transparent	200 x 300	121 °C	100	9404020*LLG
highly transparent	400 x 780	121 °C	500	9404101*LLG
highly transparent	600 x 800	121 °C	500	9404102*LLG
highly transparent	700 x 1100	121 °C	350	9404104*LLG

Holder for Waste Sacks



LLG-Autoclavable Bags, PP, with Biohazard printing





Autoclavable bags imprinted with biohazard labelling. Made of polypropylene. Strong side seams for securely holding items. Front write-on panel.

Dimensions (D x W)	Colour	Auto- clavable at	Thickness	РК	Cat. No.
mm			μm		
310 x 660	transparent	121 °C	45	50	9404050*LLG
415 x 600	transparent	121 °C	45	50	9404051*LLG
610 x 810	transparent	121 °C	45	50	9404052*LLG
500 x 600	red*	134 °C	50	200	6285813*LLG
630 x 890	red*	134 °C	50	200	6285814*LLG
910 x 1150	red*	134 °C	50	100	6285815*LLG
* with sterilisat	ion indicator				

Safety and space-saving canisters, HDPE, electrically conductive



Nom.



SICIA

PK Cat. No.

1

4687106*LLG

1 4005602*LLG 1 4005671*LLG

-	White	5
_	Stool	14/1

- Steel wire
- Epoxy resin coatingWith rubber feets

						capacity	
						L	
Description	Int.	Height	PK Cat. No.		Space saver canisters	5	
	diam.				Safety canister*	10	
	mm	mm			Safety canister*	20	
Stand	120	250	1 7060716*I	LG	* with UN approval		

Туре

FILTRATION

Qualitative filter papers MN 614, round filters



LLG-Extraction thimbles, cellulose





Neutral and fat-free. With excellent retention capacity.

Medium-fast.

EmbossedFor determination of sugar content, colour,

Filter paper, qualitative,

type MN 615 1/4, filter circles

- essential oils and emulsions
- Weight: 75 g/m²
- Thickness: 0.25 mm

Diam.	Filtration time	РК	Cat. No.
mm	secs.		
55	20	100	9047400*LLG
70	20	100	9047401*LLG
90	20	100	9047402*LLG
110	20	100	9047403*LLG
125	20	100	9047404*LLG
150	20	100	9047405*LLG
185	20	100	9047406*LLG
240	20	100	9047407*LLG
270	20	100	9047408*LLG
320	20	100	9047409*LLG
385	20	100	9047410*LLG
500	20	100	9047411*LLG

Diam. PK Cat. No. mm mm 25 9045701*LLG 20 80 22 80 25 9045700*LLG 25 26 100 25 9045709*LLG 25 9045707*LLG 60 28 30 25 9045711*LLG 25 9045708*LLG 80 80 33 33 33 25 9045702*LLG 25 9045703*LLG 25 9045703*LLG 80 94 100 25 9045704*LLG 33 43 118 25 9045706*LLG 25 9045710*LLG 123

LLG-Qualitative filter paper, circles

Medium fast filtration, smooth.

For fat determinations, free from lipids and resins. Ether soluble residue $<\!0.1$ mg for diam. 270 mm filters.

Diam.	Filtration time	Thickness	РК	Cat. No.
mm	secs.	mm		
110	22	0.16	100	9048503*LLG
125	22	0.16	100	9048504*LLG
150	22	0.16	100	9048505*LLG
185	22	0.16	100	9048506*LLG
240	22	0.16	100	9048507*LLG
270	22	0.16	100	9048508*LLG
320	22	0.16	100	9048509*LLG



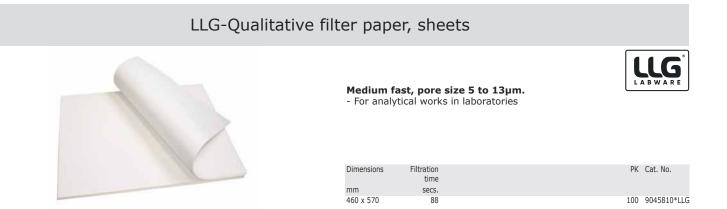


Made from 100% cellulose. Ash content 0.06%. Filtration speed according to DIN 53137. Capacity of separation according to DIN 53135.

Medium fast.

- For fast filtration with fine particles

Diam.	Filtration time	Pore size	PK C	at. No.
mm	secs.	μm		
42.5	88	5 - 13	100 9	045800*LLG
47.0	88	5 - 13	100 9	045801*LLG
55.0	88	5 - 13	100 9	045802*LLG
70.0	88	5 - 13	100 9	045803*LLG
90.0	88	5 - 13	100 9	045804*LLG
110.0	88	5 - 13	100 9	045805*LLG
125.0	88	5 - 13	100 9	045806*LLG
150.0	88	5 - 13	100 9	045807*LLG
185.0	88	5 - 13	100 9	045808*LLG
240.0	88	5 - 13	100 9	045809*LLG



CHROMATOGRAPHY

HPLC starter kits Generation 2.0, GL 45



Maximum safety for HPLC solvent supply. The integrated air valve (B) blocks hazardous vapours and cleans the inflowing air (M) from dust and dirt particles.

- Complete set for one HPLC system with up to 4 solvent reservoirs
- Price advantage compared to ordering piece by piece
- Suitable for all current HPLC systems
- Use the supplied blind plugs to tighten connectors which are temporarily inactive or not in use

Contents of the different sets:

HPLC SafetySet 1: 3 x SafetyCaps I (V 2.0), 1 x SafetyCap II (V 2.0), 1 x blind plug UNF 1/4" 28G, 4 x air valve HPLC SafetySet 2: 4 x SafetyCaps II (V 2.0), 4 x blind plug UNF 1/4" 28G, 4 x air valve HPLC SafetySet 3: 4 x SafetyCaps III (V 2.0), 8 x blind plug UNF 1/4" 28G, 12 x fitting 1.6 mm, 12 x fitting 2.3 mm, 12 x fitting 3.2 mm, 4 x air valve, 8 x insertion label

Туре	PK	Cat. No.
HDLC appendix applied	1	4669378*LLG
HPLC safety set 1		
HPLC safety set 2	1	4669379*LLG
HPLC safety set 3	1	4678694*LLG
	-	40/00J4 LLO

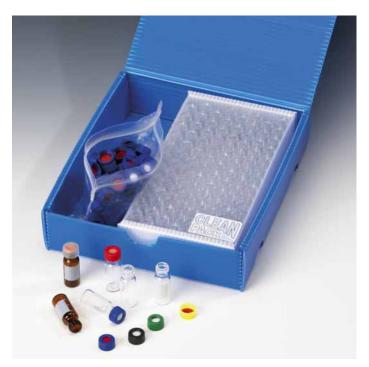
Exhaust Filter, GL 14, PP



Lid with integrated ventilation openings and service life indicator. The filling of activated carbon is protected by two porous membranes made of PE. This design allows for an unobstructed flow of exhaust air. Solvents are adsorbed by the activated carbon, ensuring that only filtered air streams out. Suitable for all waste caps with GL14 thread.

Туре	Life time	PK	Cat. No.
SMALL	3 months	2	6313839*LLG
MEDIUM	6 months	2	6313840*LLG
LARGE	6 months	2	6313841*LLG

2in1 KITs with Short Thread Vials ND9 (wide opening)



2in1 KITs contain 100 vials (1.5 ml) and 100 closures in a PP Box. As both components are always required at the same time, 2in1 KITs are a convenient way to obtain and store all required items for analysis. All advantages of the individual components (cleanroom packaging of the vials, replaceability of the packaging, etc.) remain unchanged. Cover type: UltraBond Short Thread Cap, blue, hole, Silicon beige/PTFE white, slit.

Description	PK	Cat. No.
lear, labelling field	100	11241860*LA

LLG-Glass-Syringes, borosilicate glass



With brown graduations. Sterilisable up to 134 °C. Material Cone: Metal, Nozzle type: Luer-Lock.

Capacity	PK	Cat. No.
ml		
1	5	6314007*LLG
2		6314008*LLG
2		
5	5	6314009*LLG
10 20 50	5	6314010*LLG
20	5	6314011*LLG
50	5	6314012*LLG

DISPENSING AND TITRATION

Bottletop dispenser LLG-uni*TOPDISPENS* 2



volume	Graduations	Accuracy	Precision	PK	Cat. No.
		max. vol.	max. vol.		
ml	ml	(± R%)	(≤ CV%)		
0.25 - 2.5	0.05	0.6	0.2	1	6282275*LLG
0.5 - 5	0.1	0.6	0.2	1	6282276*LLG
1 - 10	0.2	0.6	0.2	1	6282277*LLG
2.5 - 30	0.5	0.6	0.2	1	6282278*LLG
5 - 60	1.0	0.6	0.2	1	6282279*LLG
10 - 100	2.0	0.6	0.2	1	6282280*LLG

Laboratory bottle, DURAN[®] amber glass, with screw cap and pouring ring made of PP







- UV protection up to approx. 500 nm
- ISO 4796-1
- USP standard
- Retrace code - Autoclavable

Capacity	Dimensions (dia. x H)	Neck thread	PK	Cat. No.
ml	mm	GL		
25*	36 x 74	25	1	218061458*SCHOTT
50	46 x 91	32	1	218061758*SCHOTT
100	56 x 105	45	1	218062454*SCHOTT
250	70 x 143	45	1	218063656*SCHOTT
500	86 x 181	45	1	218064455*SCHOTT
1000	101 x 230	45	1	218065451*SCHOTT
2000	136 x 265	45	1	218066353*SCHOTT
* With specially shaped glass rim for better pouring, thus an additional pouring ring made of plastic is not necessary.				

Bottle top burette Titrette®





- - High Accuracy
 - Compact Design,
 - Lightweight and Stable - Easy Maintenance and Cleaning

- High accuracy
- Smooth-running operation for sensitive, drop-wise titration and fast filling of the device
- No switching between fill and titrate

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

Volume	Accuracy	Precision	PK	Cat. No.
	max. vol.	max, vol.		
ml	(± R%)	(≤ CV%)		
10	0.10	0.05	1	6259209*LLG
25	0.07	0.025	1	9271332*LLG
50	0.06	0.02	1	9271333*LLG
	0.00	0.01	1	JE, 1000 LEO

Automatic burettes with splinter protection, Schilling pattern, borosilicate glass 3.3



LIQUID HANDLING

Single channel microliter pipettes Acura® manual 825, variable



This pipette line was developed with the highest customer demands in mind.

- User-friendly, slim shape, low weight.
- Justip[™] tip adjustment concept, patented.
- Integrated InLab calibration system, patented
- Fully assembled autoclavable at 121 °C

- 3-year warranty

Capacity µl	Increments µl	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	PK	Cat. No.
0.1 - 2	0.002	2.0	1.5	1	9411590*LLG
0.5 - 10	0.01	1.0	0.5	1	9411591*LLG
1 - 10	0.01	1.0	0.7	1	9411592*LLG
2 - 20	0.02	1.0	0.5	1	9411593*LLG
5 - 50	0.1	1.0	0.4	1	9411594*LLG
10 - 100	0.1	0.8	0.2	1	9411595*LLG
20 - 200	0.2	0.6	0.2	1	9411596*LLG
100 - 1000	1	0.5	0.2	1	9411597*LLG

LLG-L PP	abware pipet	te tips, eco	nomy 2.
ØA 121 ℃			

The new generation of LLG Labware Pipette tips economy. Racked-tip boxes are delivered in a dispenser, which can be opened from two sides facilitating the use of the product in two workspaces. Compatible with all common pipette brands. You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

- Improved optical clarity and pipette fit
 Coloured coded rack inserts for easy identification
- Autoclavable
- DNase and RNase-free

Capacity µl	Colour	Package contents	PK	Cat. No.
0.1 10	transparent	10 x 96	960	4668776*LLG
0.1 10	transparent	10 x 96	960	6491406*LLG
1 200	transparent	10 x 96	960	4668778*LLG
1 200	yellow	10 x 96	960	4668779*LLG
100 1000	transparent	8 x 96	768	4668782*LLG
100 1000	blue	8 x 96	768	4668783*LLG

Pipette stands Twister™ universal 336 for single channel microliter pipettes





Unique design 6-position pipette workstation with great characteristics. Model fits six pipettes of most brands providing for an ideal storage solution in any laboratory. Rotation enables quick instrument selection. Easy disassembling for simple maintenance.

Colour	PK	Cat. No.
Sapphire blue	1	6253916*Ll

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. Available as sterile and non-sterile versions.

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

Capacity	Description	PK	Cat. No.
ml			
25	non-sterile, bulk	100	6282144*LLG
25	sterile, single packed	100	6282145*LLG
50	non-sterile, bulk	100	6282146*LLG
50	sterile, single packed	100	6282147*LLG

0,

Macro pipette controllers



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

For	PK	Cat. No.
Pipette volume up to 2 ml	1	4008322*LLG
Pipette volume up to 10 ml	1	4008323*LLG
Pipette volume up to 25 ml	1	4008324*LLG

Pipette tray, PVC

426 x 300 x 30



Kartell

[SOLAB

Volumetric pipettes, USP, class AS, AR-glass[®], blue graduation



BLAUBRAND®, DE-M marking. DIN EN ISO 648. Calibrated to deliver (TD, EX). Marks and inscriptions in high-contrast blue enamel. Incl. one USP batch certificate. The batch certificate or individual certificate is also available to download from the manufacturer's website.



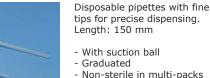
Volume	Tolerance	Overall length	PK	Cat. No.
ml	± ml	± 10 mm		
0.5*	0.005	300	1	6262520*LLG
1	0.006	300	1	7659228*LLG
2	0.006	330	1	6262521*LLG
3	0.01	330	1	6262522*LLG
4	0.01	400	1	6262523*LLG
5	0.01	400	1	7659239*LLG
10	0.02	440	1	7659240*LLG
20	0.03	510	1	6262529*LLG
25	0.03	520	1	6262530*LLG
50	0.05	540	1	6262532*LLG

* Error limit USP ±0.006 ml

Pasteur pipettes, PE

Kartell





- Non-sterile in multi-packs

pipettes (1 ml to 20 ml).			
			Nominal
Dimensions	PK	Cat. No.	capacity
$(W \times D \times H)$			ml
mm			1

1 9200394*LLG

3

Pipettes, Pasteur, PE



PK Cat. No.

500 6206154*LLG 500 6206772*LLG

9411031*LLG 9411030*LLG 9411033*LLG 6203402*LLG

PVC. Tidy tray. With 4 long compartments for approx. 30 graduated

For transfer of liquids. Resistant against almost all acids. Soft and elastic bulb.

Туре	Capacity	Length	Sterile	Graduations	PK	Cat. No.
	ml	mm				
Standard	1.0	150	-	+	500	9411031*LLG
Standard, single wrapped*	1.0	150	+	+	500	9411038*LLG
Standard	1.5	230	-	+	400	7200111*LLG
Standard	2.0	153	-	+	500	7631961*LLG
Standard	2.5	150	-	+	500	6229723*LLG
Macro	3.0	155	-	+	500	9411030*LLG
Macro, single wrapped	3.0	150	+	+	500	9411035*LLG
Macro	3.0	155	+	+	500	4653509*LLG
Standard	4.0	150	-	-	500	6234514*LLG
Macro	6.0	149	-	-	400	9411034*LLG
Standard, with ring mark	10.0	170	-	-	200	9411033*LLG
Standard	10.0	300	-	-	100	6203402*LLG
* Total volume						

GENOMICS

UV sterilisation cabinets



- Ideal for PCR Preparations
- Efficient Decontamination with UV Light
- Doors with Safety Switches



Cost-effective alternative to cleanrooms for PCR in nucleic acid-free environments. The four powerful UV lamps denature nucleic acids safely in 5 to 30 min. user from UV light thanks to safety switches in the doors. Timer function for UV lamp. The chamber made of 10 mm acrylic also serves as an efficient shield against beta radiation emissions and can therefore be used safely with isotopes such as ³²P.

 Specifications
 Maxi/Midi/Mini

 UV Lights:
 4 × 15 W

 White Lights:
 15

 Dimensions (H x W x D):
 770 x 580 x 420 mm / 620 x 580 x 420 mm / 450 x 580 x 350 mm

 Weight:
 19 kg/14.6 kg/12 kg

 Description
 UV

UV sterilisation cabinets Maxi with timer, four UV lights and white light	1	9584774*LLG
General purpose tray white, 680 x 540 mm	1	6258034*LLG
	-	
Radiation hazard tray yellow, 680 x 540 mm	1	9584788*LLG

DNA AWAY[™] for surface decontaminant



thermo scientific

PK Cat. No.

Eliminates unwanted DNA and DNase from glassware and plasticware without affecting subsequent DNA samples. Degrades DNA more quickly and effectively than autoclaving.

This product is a disinfectant containing biocides. Please inquire about its availability and legal information.

LLG-96-well PCR Plates, PP







- Clear well bottom for sample visibility, with V-Bottom
- Compatible with thermocyclers of all leading brands
- Consistent wall thickness for uniform heat transfer
- Holes in the skirt for easy handling
- Virgin polypropylene, certified RNase-, DNase- and Endotoxin-free

Description	Capacity	PK Cat. No.
	. ,	
	μΙ	
96 Well Plate, skirted	200	50 6313409*LLG
96 Well Plate, non-skirted	200	100 6313408*LLG
96 Well Plate, half skirted	200	50 6313394*LLG
Jo well Hate, Hall Skilled	200	50 0515554 LLO

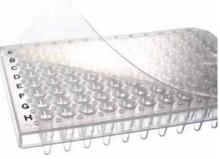
LLG-PCR adhesive film and foil



PK Cat. No.

100 6313398*LLG 100 6313400*LLG

100 6313399*LLG



For use in cycles with screw-down or clip-down lids.

PCR Film: Clear film enables visual inspection of samples and fluorescence measurements.

PCR Foil: Aluminium, easy to pierce, no adhesive residue on the pipette tips.

QPCR Foil: Adhesive seal optically clear, peelable, for QPCR and fluorescence applications.

				Bebenpelon	i cinpi
					range
1	Capacity	PK	Cat. No.		°C
				PCR film	-40 102
	ml			PCR foil	-80 104
DNA Away®	250	1	6228401*LLG	QPCR foil	-70 100

Туре

MBP C

Description Temp

Greenough-Stereomicroscope Educational-Line OSE



Ideal for Schools and Training Purposes



Ideal for workshops, schools and training.

- Tube 45° inclined WF 10×/ Ø 20 mm
- Diopter adjustment: Both-sided
- Illumination 1 W LED incident and transmitted
- Integrated handle and arm curved stand

Total dimension (W \times D \times H):	230 x 130 x 300 mm
Weight:	2.0 kg
Power supply:	230 V/50 Hz, battery

Туре	Description	Mag- nification	PK	Cat. No.
OSE 421	Binocular	2x / 4x	1	4666529*LLC

Staining jar, PMP (TPX[®]), Hellendahl pattern

Accepts 16 slides 76 x 26 mm (8 pairs back to back).

Transparent, with grooves. Complete with lid.





KERN

Phase contrast microscopes Professional line OBN



This series features professional Köhler illumination with an adjustable field diaphragm and Infinity optics. A C-mount adapter is required to connect a camera (optional).

OBN 158:

- Phase contrast microscope, incl. centring eyepiece
 Objective: 4x, 10xPH, 20xPH, 40xPH, 100xPH
- 5-fold condenser wheel with 10×/20×/40×/100× Infinity PH plan objectives (complete set)
- Including blue and green colour filter

- **OBN 159:** Trinocular Tube 30° inclined, 360° rotatable
- Eyepieces: HWF 10x/20 mm
- Dioptre compensation on both sides
- 5x nosepiece
- Objective quality: Infinity Plan
- Coaxial coarse and fine drive

Scope of supply: Phase contrast microscope, centring eyepiece, protective dust cover, eyecups, user manual

Туре	Lighting	PK	Cat. No.
71 -	5 . 5		
OBN 158	20 W halogen	1	4666528*LLG
	5		
OBN 159	3 W LED	1	6491267*LLG

LLG-Slide dispenser





The slide dispenser can dispense 72 slides individually. By turning the knob, one slide is dispensed. Only dry slides should be inserted into the storage magazine. With a transparent, removable upper section for easy viewing of remaining slides and clean storage. For microscope slides with dimensions 75 x 25 mm and 76 x 26 mm.

Dimensions (W x D x H)	PK Cat. No.	Туре	PK Cat. No.
mm	4 0464250*110		4 0464000*110
58 x 53.5 x 86	1 9161350*LLG	Dispenser	1 9161000*LLG

Spectrophotometer LLG-uniSPEC 2



High-quality and cost-efficient UV/VIS spectrophotometers for pharmaceutical, biochemical and clinical lab applications. Suitable for different measurement types such as kinetics, wavelength scans, quantitative analysis, multi-wavelength and DNA/Protein analysis.

- Single beam system, grid with 1200 lines/mm
- Silicon photodiode detector
- Parallel port for printer output
- USB port
- 4-position cell holder (10 mm) included
- Additional cell holders are optionally available
- LCD
- Deuterium and tungsten lamp
- Automatic wavelength adjustment

Scope of supply: LLG-uni*SPEC* 2 Photometer, software for connection to PC, 4 glass cells, and 2 quartz cells.

Specifications

Optical System:
Wavelength range:
Bandwidth:
Wavelength accuracy:
Stray light:
Display:
Dimension (W x D x H):
Weight:
Power supply:

Single beam 190 to 1100 nm 2 nm ±0.5 nm ≤0.1%T 128 × 64 Dots LCD 460 × 360 × 225 mm 18 kg 220 V/50 Hz or 110 V/60 Hz

Type Plug type

LLG-uniSPEC 2 EU

1 6263610*LLG

PK Cat. No.



Ideal for storing up to 16 cuvettes with a 12.5 mm width. The two-tier arrangement of the cuvette rows ensures clarity.

- Numbered positions
- Autoclavable at 121 °C

Length	Width	Height	РК	Cat. No.
mm	mm	mm		
210	70	35	1	4682061*LL

Densitometer DEN-600



Portable densitometer for OD600 method, McFarland (McF) turbidity method measurement and Bradford protein assay method for protein concentration.

- LCD
- Battery mode possible
- Software for measurement, results, upload and analysis (USB connectivity)
- Compatible with cuvettes, round bottom tubes and falcon tubes (10 mm)

Specifications

Light source: Measuring range absorbance: Measuring range McFarland: Accuracy absorbance: Accuracy McFarland: Power supply: LED 0 ... 3.000 0.00 ... 16.00 ±0.006 at 1 Abs ±0.1 at 0 ... 8 McF 100 ... 240 V 50/60 Hz or lithium-ion polymer battery

Туре	Wave- length	Dimensions (W x D x H)	Weight	PK	Cat. No.
	nm	mm	kg		
DEN-600	600 ± 10	120 x 145 x 65	0.5	1	4684303*LLG

Macro and semi micro cuvettes





Sorted by mould cavity number. PMMA or PS. Path length: 10 mm.

Quality characteristics:

- Minimal extinction value variation
- Optically perfect transmission range
- Recessed window to protect against scratches
- Arrowhead marking shows the direction of transmission

Polymethylmethacrylate (PMMA) cuvettes

- Typical operating range: from 300 nm to 900 nm
- Standard deviation at 320 nm ± 0.004 extinction units

Polystyrene (PS) cuvettes

- Typical operative range: from 340 nm to 900 nm
- Standard deviation at 360 nm $\leq \pm 0.005$ extinction units

Dimensions: Window:		12.5 x 12.5 x 45 mm Macro cell 10 x 35 mm Semi micro cell 4.5 x 23 mm			
Description	Volume ml	Operating range nm	Material	PK	Cat. No.
Macro	2.5 to 4.5	300 to 900	PMMA	100	9406111*LLG
Semi-micro	1.5 to 3.0	300 to 900	PMMA	100	9406115*LLG
Macro	2.5 to 4.5	340 to 900	PS	100	9406110*LLG
Semi-micro	1.5 to 3.0	340 to 900	PS	100	9406114*LLG

SPECTROSCOPY

Reflectance spectrophotometer TR 515



- Switchable Aperture - Incl. Calibration Plates



Ergonomic and flexible reflectance spectrophotometer for measuring samples in the fields of food, medicine, coatings and plastics. With a camera-based, integrated localisation device and black and white calibration plates.

- CMOS sensor (256 picture elements, double array)
- Intuitive 3.5 inch TFT colour LCD (capacitive), symbol-based
- Free PC-based OnShade software, which allows graphs and statistical process control
 Operation languages: EN, FR, DE, ES
- Switchable aperture (\emptyset 8 mm / \emptyset 4 mm) for adapting the measurement size to the surface
- Can determine accurate colour difference values, formulas and indices in common colour spaces

Scope of supply: Reflectance spectrophotometer, OnShade PC software, black and white calibration board (white tile and black light trap), dust cover, USB cable, external DC power supply, USB stick with user manual in English and Chinese, carrying case

Specifications

Optical geometry:	45°/0°
Colour difference formular:	ΔE^*ab , ΔE^*uv , ΔE^*94 , ΔE^*cmc (2:1),
	ΔE^* cmc (1:1), ΔE^* 00v, ΔE (Hunter)
Spectral range:	400 700 nm
Spectral interval:	10 nm
Memory:	1000 standards, 30000 samples
Interface:	USB, Bluetooth [®] 4.0
Light source:	combined LED light, UV light
Dimensions (W x D x H):	184 x 105 x 77 mm
Weight:	600 g
Power supply:	Li-ion battery



Туре	Aperture	PK	Cat. No.
	mm		
TR 515	10/8 + 5/4	1	6325549*LLG

Cells W600



(Note: PFXi/PFX-195 max. path length 50 mm).

W600/OG/xx for unheated samples (up to 40 °C)

Further versions are available on request.

Path

length

Туре

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

Material



PK Cat. No.

LLG-Cuvettes, glass





LLG-Cuvettes have two clear windows and two side walls, and they are available as optical glass or in guartz variants. The walls and the base are polished inside and frosted outside. The thickness of the windows and the base is 1.25 mm. The overall height of standard-type cells is 45 or 48 mm. Each cuvette is supplied with a PTFE lid.

- Optical Glass: 335 to 2500 nm
- Quartz: 200 to 2700 nm

	-		
	mm		
W600/OG/10	10	optical glass	1 6207120*LLG
W600/OG/1"	25.4	optical glass	1 9947342*LLG
W600/OG/33	33	optical glass	1 6093322*LLG
W600/OG/50	50	optical glass	1 6207119*LLG
W600/OG/100	100	optical glass	1 6235055*LLG
W600/OG/51/4"	133.35	optical glass	1 9947343*LLG
W600/B/10	10	Borosilicate glass 3.3	1 6241927*LLG
W600/B/33	33	Borosilicate glass 3.3	1 6086921*LLG
W600/B/100	100	Borosilicate glass 3.3	1 6253940*LLG
W600/B/51/4"	133.35	Borosilicate glass 3.3	1 9947345*LLG

Cells made of optical glass or Borosilicate glass 3.3, 21 x 40 mm, for instrument Models Fs, PFXi/PFX195, 880, 950 and 995.

Volume	Path length	PK Cat. No.
ml	mm	
3.5	10	2 4681513*LLG
17.5	50	2 4681514*LLG
3.5	10	4 4681515*LLG
17.5	50	4 4681516*LLG
	ml 3.5 17.5 3.5	length ml mm 3.5 10 17.5 50 3.5 10

pH- AND CONDUCTIVITY MEASUREMENT



Technical pH buffer solutions



Colour coded. Tested and ISO 17025 Certified at 25 °C. Uncertainty of measurement ±0.02 pH. Temperature dependence data is printed on the label as are lot numbers and expiry dates. These pH buffer solutions are suitable for use where very accurate measurements are required and are supplied with a detailed Certificate of Analysis which outlines traceability to N.I.S.T (the N.I.S.T SRM(s) Lot No. is stated on the certificate). This item has a 12 to 36-month shelf life from the date of manufacture depending on pH value.

pH- value	Colour	Capacity	РК	Cat. No.
at 25 °C		ml		
2.00	Red	250	1	TB2002*REA
4.01	Red	250	1	TB4012*REA
7.00	Yellow	250	1	TB7002*REA
9.21	Blue	250	1	TB9212*REA
10.00	Blue	250	1	TB1002*REA
4.01	Red	500	1	TB401*REA
7.00	Yellow	500	1	TB700*REA
4.01	Red	1000	1	TB4011*REA
7.00	Yellow	1000	1	TB7001*REA
10.00	Blue	1000	1	TB1001*REA

pH-Fix indicator strips, special



Reagecon



For determination of pH-value. Permanent colour. Non-bleeding.

Range	РК	Cat. No.
pH		
1.7 3.8	100	9130386*LLG
2.0 9.0	100	9130380*LLG
3.6 6.1	100	9130387*LLG
4.0 7.0	100	6280450*LLG
4.5 10.0	100	9130383*LLG
6.0 10.0	100	9130392*LLG
7.5 9.5	100	9130390*LLG

LLG-Universal Indicator strips "Premium" in a vial with a snap lid



A 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

LLG-pH electrode with gel electrolyte

- 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



100 9129808*LLG

1 4681924*LLG

Laboratory instrument inoLab® pH 7110

Basic pH/mV laboratory instrument for all tasks where reliable, accurate readings are required quickly and easily. With a large LCD segment display and an easy-to-read keyboard.

Scope of supply: Instrument, mains power adapter, stand.

Specifications	
Ranges:	All values ±1 digit
pH:	-2.0 20.0 ±0.1 pH
	-2.00 20.00 ±0.01 pH
	-2.000 19.999 ±0.005 pH
mV:	±(1200.0 ±0.3) mV
	±(2000 ±1) mV
Calibration:	1-, 2- or 3 point WTW technical buffer or DIN/NIST
Temperature:	-5.0 105.0 °C ±0.1 °C
Power supply:	Universal power supply 100 to 240 V, 50/60 Hz,
	4×1.5 V AA or 4×1.2 V NiMH rechargeable batteries



Туре	Description	РК	Cat. No.
pH 7110	Stand-alone instrument with DIN connection	1	9920090*LLG
pH 7110 SET 2	Instrument incl. SenTix [®] 41, buffer 4.7 / 10.01 and 3 mol/l KCl	1	9920091*LLG
pH 7110 SET 4	Instrument incl. SenTix [®] 81, buffer 4.7 / 10.01 and 3 mol/l KCl	1	9920092*LLG

pH meter FiveGo[™] F2



Portable pH MeterFor Field and Laboratory use

Portable pH meter for field work and laboratories.

 Measurement made easy: A large, well-structured display, intuitive button arrangement, and simple menu ensure measurements can be performed in just a few clicks
 IP67 Water and dustproof.

Scope of delivery: F2-Meter: Meter only F2-Standard kit: Meter with LE438 sensor

Specifications

pH
Measuring range:
Resolution:
mV
Measuring range:
Resolution:
Temperature
Compensation:
Calibration:
Memory size:
Temperature
Measuring range:
Resolution:

Туре

F2-Meter

F2-Standard kit



-1999...1999 mV 1 mV

ATC and MTC 3 points, 4 predefined buffer groups

200 measurements, current calibration

0 ... 100 °C 0.1 °C

> PK Cat. No. 1 6280111*LLG 1 6280112*LLG

Conductivity Pocket Tester Elite CTS Pin/Cup

The Elite CTS pocket tester simultaneously displays conductivity/TDS/salinity with temperature. With a leakproof, transparent wide-base cap for upright standing with a fill line indicator.

- 1-push calibration
- Large 4-digit double line display
- Backlit graphic display
- Auto-hold readings
- Easy-to-operate, intuitive keypad
- Auto-off

Scope of supply: Elite CTS Pin/Cup: Tester incl. batteries, lanyard

Elite CTS Pin/Cup Kit:

Tester incl. batteries, lanyard, soft carry case, CTS conductivity Standard Sachets (5 x 1413 μ S/cm KCl and 5 x 2764 μ S/cm KCl)

Specifications

Conductivity range: TDS range: Salinity range: Resolution: Temperature range: Resolution: Operating temperature: Relative humidity: Temperature compensation: Power supply: IP code: Type

Elite CTS Pin	1	6290132*LLG
Elite CTS Pin Kit	1	6290138*LLG
Elite CTS Cup	1	6290133*LLG
Elite CTS Cup Kit	1	6290139*LLG

thermo scientific



 $0.0\;\mu\text{S}\;...\;20.00\;\text{mS}$

 $5 \ldots 85\%$, non-condensing

4 x AAA 1.5 V batteries

0.0 ... 10000 ppm

0... 10000 ppm

100 ppm

0.1 °C

ATC

IP 67

0... 60.0 °C

5... 45 °C



Elite CTS Cup

PK Cat. No.

SAMPLING / SAMPLE PREPARATION

burkle

ChemoSampler, PP



Grey. For sampling aggressive liquids, e.g. acids, alkalis, detergents. The samples are drawn directly into the screw-on original sampling bottle. The tamperproof bottle closure of these bottles with the original safety ring ensures unadulterated sample transport.

- Resistant to acids and alkalis
- Incl. sample bottle 1000 ml
- An extension rod 100 cm is available as an accessory

Length mm

1000

PK Cat. No.

1 9303940*LLG

R

Disposable scoops SteriPlast[®], PS



White. The scoops are also available with a transparent cover to close them immediately after the sampling procedure to secure a sterile and contamination-free sample.

- Individually packed
- Gamma-sterilized
- Production, assembling and packaging
- acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Capacity	Length	PK	Cat. No.
ml	mm		
25	141	10	6265037*LLG
50	160	10	6265039*LLG
100	205	10	6265041*LLG
150	216	10	6265043*LLG
250	232	10	6269512*LLG
500	280	10	6269514*LLG
500	283	10	6269515*LLG
1000	332	10	6284542*LLG
2000	381	10	4680855*LLG

Vampire Sampler





The self-priming peristaltic pump is also suitable for dirty or particlecontaining substances with a maximum viscosity. 500 mPas. Ideal for sampling from barrels, tanks, wells, water separators, wastewater and sewage treatment plants. The samples are fed directly into the sample container via the closed hose system.

- Battery-powered hose pump
- Suction depth up to 5 metres

Scope of supply: Drive unit, pump head, pump hose (30 cm, Marprene), suction hose (5 m, PE), hose connector (PP), sample bottle (250 ml, LDPE), bottle basket, two rechargeable batteries, battery charger

Туре	PK	Cat. No.
Vampire sampler, complete	1	9303851*LLG

Disposable spoons SteriPlast[®], PS



White. The spoons are ideal for sampling powders, granules and pastes.

- Individually packed
- Gamma-sterilised
- Production, assembly and packaging
- acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Capacity	Length	PK	Cat. No.
ml	mm		
2.5	127	100	6265045*LLG
10	170	100	6265046*LLG

SAMPLING / SAMPLE PREPARATION

Erlenmeyer flasks, wide mouth, GL 45, PP, with blue screw neck



PK Cat. No.

1

1

W. ALDENWANGER

chnische Keramik GmbH & Co.KG

566941*VITL

567941*VITL

568941*VITL

570941*VITL

1 569941*VITL



Transparent. Suitable for storage and cultivation of cell cultures. To preserve markings, do not clean at temperatures exceeding 60 °C.

- Suitable for microwaves

Grad.

ml

10

20

50

100

200

Mortars only, porcelain

Nominal

capacity

ml 75

125

250

500

1000

- Food-safe products according to EC Directive No. 10/2011

Laboratory Blender Waring[®] 8011



Versatile laboratory mixer ideally suited for general laboratory work

- Two-piece lid vinyl/styrene

with handle and lid

Туре	With	PΚ	Cat. No.
8011EG	Glass container, 1.2 l	1	6284693*LLG
8011ES	Stainless steel container, 1 l	1	6284694*LLG
	,		

Pestles only, porcelain





To DIN 12906. With spout, pestle not supplied. Glazed externally. Inside rough.

5

5

Capacity	Int. diam.	Height	PK Cat. No.
ml	mm	mm	
70	65	40	1 9164206*LLG
170	90	55	1 9164209*LLG
400	130	65	1 9164212*LLG
700	150	70	1 9164215*LLG
1000	180	80	1 9164218*LLG

Unglazed grinding surface. Hood onath

To DIN 12906. With a glazed handle.

неаа	Length	Nominai	PK	Cat. No.
diam.		diam.		
mm	mm	mm		
24	115	50 / 63	1	9164306*LLG
30	135	90	1	9164309*LLG
36	150	125	1	9164312*LLG
42	175	150	1	9164315*LLG
55	210	180	1	9164318*LLG
Nominal size =	mortar internal d	iameter		

supplied either with a 1 L stainless steel container or a 1.2 L glass container.

- Two velocity settings (18000 or 22000 rpm)

- Epoxy-coated motor housing

Scope of supply: Mixer, container (stainless steel or glass)

Heating oven, ED 23, with gravity convection





Diversity for all types of thermal, whether efficient drying, long-term controlled elevated temperatures or sterilization tasks for homogeneous temperature distribution.

Equipment:

- Temperature range from 5 °C above ambient temperature to 300 °C - Independent adjustable temperature safety device class 2
- (DIN 12880), with visual temperature alarm

Nom. capacity L	Max. grids	Included grids	External dimensions (W x D x H) mm	РК	Cat. No.
20	4	2	435 x 520 x 495	1	9883529*LLG

Safety Gloves Clavies®, Heat Protection up to 232 °C (=)SP Bel-Art



Soft, pliant, all-cotton terry cloth gloves are superb for handling hot objects out of the autoclave or oven, or for other heat protection in the lab, school or industry. Note: Gloves are not waterproof and should not be used to handle dry ice. 1 pair per pack.

Length gauntlet mm	Overall length mm	РК	Cat. No.
130	330	1	9005271*LL
280	470	1	9005272*LL

Peltier-recirculating chiller TE 400





New

- Precise Temperature Control
- Touch Display
- Low Maintenance Requirements



Robust Peltier chiller with precise temperature control for simple temperature control tasks in laboratories and research facilities. It works without refrigerant and is therefore very environmentally friendly and low-maintenance. The TE 400 offers a cooling capacity of up to 400 watts and a pump capacity of up to 7 l/min. The operating mode "Silent Mode" reduces the noise level by lowering the cooling power requirements.

- High-temperature stability
- Touch display for easy operation
 Economical and environmentally friendly operation thanks to high energy efficiency and low energy consumption
- RS232 interface - Low-maintenance
- Pump connection thread M16x1 external thread

Specifiations

opeeniaciono			
Temperature:	-5 40 °C		
Temperature stability:	±0.02 °C		
Max. Delivery rate:	7 l/min		
Max. Delivery pressure:	1.2 bar		
Cooling capacity at 20 °C:	0.4 kW		
Heating capacity:	0.45 kW		
Dimensions (WxDxH):	274 x 413 x 400 mm		
Weight:	24 kg		
Plug type:	EU/CH/UK/US		
Power supply:	100 230 V, 50/60 Hz		
_			
Туре		РК	Cat. No.
TE 400		1	6492490*LLG

SCIENTIFICA

Cryo Protection Gloves CRYOKIT 400







Suitable for all work with liquid nitrogen and other cryogenic gases up to approx. minus 196 °C. Protects against cold and contact burns in case of leakage of liquid gas.

Interior insulation: polyester multi-layer fabric (410 g/m²) and polyolefin parallel membrane.

According to normative EN 511, EN 420, EN 388, Cat III. Warning: Not intended for immersion in liquid nitrogen or other liquid cryogens. 1 pair per pack.

Size	Length	PK	Cat. No.
	mm		
7	400	1	6270632*LLG
8	400	1	6270633*LLG
9	400	1	6270634*LLG
10	400	1	6270635*LLG
11	400	1	6270636*LLG

Cryogenic vial racks, PC





- Drainage holes in each well

Array

50

- Alphanumeric identification
- Temperature resistant up to -196 °C
- Autoclavable



eathrow Scientific

design | function | innovation

Cooled incubators FOC series



- With Internal Sockets - High Temperature Stability

Versatile cooled incubators with autotuning temperature control system for optimal temperature stability.

- 2-internal sockets for further devices - Software TEMPSoft[™] for setting times, temperatures, ramps and alarm
- thresholds - Wireless (WIFI) and wired connectivity - Life span counter for key components is built in
- Forced ventilation for uniform temperature distribution

Scope of supply: Cooled incubator, shelves

Nom. Included

Specifications

Temperature range: Temperature accuracy: Display: Interface: Power supply:

3 ... 50 °C ±0.5 °C 3-digit LCD Wi-Fi, 2 x RS485 230 V, 50/60 Hz

> PK Cat. No. LLG

	capacity	grius	(W x D x H)		
	L		mm		
C 120E	109	2	540 x 550 x 912	1	6316555*LLG
C 200E	169	3	540 x 550 x 1263	1	6316556*LLG

External

LLG-Cryotubes, PP, sterile



Туре

FOO

FOO

With a star shape in the screw cap, for an automated capper/uncapper. Temperature resistance down to -196 °C. Not appropriate for operations in liquid nitrogen. Printed graduations for accurate measurements. Large white area for writing specimen identification.

Packed in 2 bags of 50 tubes.



Capacity	Description	Thread	PK	Cat. No.
ml				
1.2	Self-standing	External	100	9401160*LLG
1.2	Self-standing	Internal	100	9401161*LLG
2.0	Self-standing	External	100	9401162*LLG
2.0	Self-standing	Internal	100	9401163*LLG
2.0	Without ring	External	100	9401164*LLG
2.0	Without ring	Internal	100	9401165*LLG
5.0	Self-standing	External	100	9401166*LLG
5.0	Without ring	Internal	100	9401167*LLG
5.0	Self-standing	Internal	100	9401168*LLG

Grippers for cryogenic and vaccine vials, PP



Volume

litres

2 ... 5

For precise gripping and safe removal of cryogenic microtubes and vials, as well as crimped vaccine/serum vials from cold storage boxes. The set includes one gripper for cryogenic vials (Ø 13.5 mm) and one gripper for vaccine vials (Ø 21 mm).

- Ergonomic squeeze area

- Autoclavable at 121 °C



ULTRASONIC

Ultrasonic cleaning units Elmasonic Select

Elma

- 4 Individual **Cleaning Programs**
- Autostart Function



Versatile ultrasonic baths with an ultrasonic frequency of 37 kHz, 5 ultrasonic modes (dynamic, pulse, sweep, degas, eco), heating and the possibility to save up to 4 individual cleaning programmes.

- Mode dynamic combines pulse and sweep modes for higher cleaning performance
- Mode pulse for powerful sample preparation
- Mode sweep for uniform cleaning throughout the bath
- Mode degas is optimised for degassing liquids Mode eco for quiet, energy-efficient operation and longer lifetime Digital control panel with wipeable membrane keypad and
- easy-to-read display for all operating states
- Setup menu for individual adjustment of the device functions
- Autostart function for temperature-controlled start of cleaning Dry run protection
- Adjustable limit temperature from 40 to 60 °C
- With stopcock (except Select 30 and 40)

Scope of supply: Ultrasonic bath, lid

Specifications

Temperature: Sound pressure level (LpAU): Ultrasonic sound level (LpZ): Power supply: IP code:

25 ... 80 °C <80 dB <110 dB 220 ... 240 V~, 50/60 Hz IP 20

LLG-Erlenmeyer flasks,	
horodilicate class 2.2 with a c	

borosilicate glass 3.3, with a screw cap



Erlenmeyer flasks made of borosilicate glass 3.3, screw cap with PTFE liner.

- White graduation and labelling field
- GL thread

Capacity	Thread	PK	Cat. No.
ml	GL		
100	32	2	4686198*LLG
250	32	2	4686199*LLG
500	32	2	4686200*LLG
1000	32	1	4686201*LLG

LLG Weighting Rings, Cast Iron, Vinyl Coated





1 4688718*LLG

To stabilise glassware in water or oil baths. The vinyl coating prevents vessels and apparatus from being scratched or marked.

For	Int.	PK	Cat. No.
flasks	diam.		
ml	mm		
100 500	48	1	4682062*LLG
250 1000	56	1	4682063*LLG
500 2000	61	1	4682064*LLG
1000 4000	74	1	4682065*LLG

Insert baskets for ultrasonic cleaning units Elmasonic Select



7

туре	of the bath	dimensions (W x D x H)	PK	CdL. NO.
	litres	mm		
Select 30	2.7	305 x 170 x 230	1	6321722*LLG
Select 40	3.9	305 x 170 x 280	1	4684652*LLG
Select 60	5.9	370 x 210 x 275	1	4684653*LLG
Select 80	9.3	570 x 195 x 280	1	4684654*LLG
Select 100	9.5	380 x 300 x 280	1	4684655*LLG
Select 120	12.9	380 x 300 x 330	1	4684656*LLG
Select 300	27.5	575 x 360 x 330	1	4684659*LLG

Select 120

250 x 195 x 135



LABORATORY BURNER

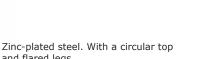
Bunsen burner with needle valve



Туре	Height	Weight	PK Cat. No.
	mm	g	
Natural with needle valve	155	220	1 9018365*LLG
Propane with needle valve	155	220	1 9018366*LLG

Tripod Stand





USBECK

and flared legs. Zinc plating of tripod stands serves as temporary corrosion protection. May peel off after direct contact with an open burner flame.

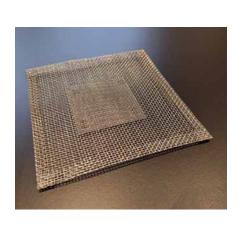
		51/	a
Diam.	Height	PK	Cat. No.
mm	mm		
100	180	1	9034110*LLG
		1	
120	210	1	9034112*LLG
120	250	1	6200910*LLG
100	200	4	(224024*110
120	260	1	6234831*LLG
140	220	1	9034114*LLG
160	230	1	6059957*LLG

Teclu burners with needle valve



Туре	Height	Weight	PK Cat. No.
	mm	g	
Natural	155	260	1 9018375*LLG
Propane	155	260	1 9018376*LLG

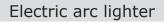
Wire gauze, steel, galvanised



USBECK

- Folded edges - Fine-meshed, heatresistant stainless steel centre

Dimensions (D x W)	PK	Cat. No.
mm		
155 x 155	1	4688237*LLG
195 x 195	1	4688238*LLG



Lighter for lighting Bunsen and gas burners with an electrically generated arc. Since the lighter does not produce an open flame, it offers more safety than conventional lighters. The protective cover also prevents accidental ignition.

- Safe and easy-to-use
- Works with an electric arc
- LED light indicates when the battery is running low
 Charging via micro-USB cable (included)
- With safety cover and automatic switch-off after 10 seconds



Description	Dimensions	PK	Cat. No.
	$(W \times D \times H)$		
	mm		
Electric arc lighter	192 x 26 x 19	1	6492358*LLG
Electric arc lighter with flexible neck	219 x 26 x 18	1	6492359*LLG

TIME AND ENVIRONMENTAL MEASUREMENT



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

RESET

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

Туре

PK Cat. No.

LLG-Short period timer with alarm

1 9260150*LLG

Temperature/Humidity data logger EBI 20-TH1





- Visual Alarm

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

Specifications

Measuring range temperature: Measuring range humidity: Resolution temperature: Resolution humidity: Memory: Sensor:

Measuring period: Power supply: IP code: Housing: Dimensions $(L \times W \times H)$: -30 to +70 °C 0% to 100% R.H. 0.1 °C 0.1% R.H. 40000 samples NTC for temperature/ capacitive for humidity 1 minute to 24 hours 3V lithium (CR 2450) IP 52 ABS 69 x 48 x 22 mm

Digital Thermo-/Hygrometer EXACTO



For monitoring temperature and humidity. With a display of min and max values.

-20 ... 70 °C ±1 °C

1 °C

- Permanent display of daily maximum and minimum values with automatic reset after 24 hours.
- Backlighting
- With magnet, stand and mounting hole

Specifications

Temperature range: Temperature accuracy: Temperature resolution: Humidity range: Humidity accuracy: Humidity resolution: Power supply: Dimensions (W x D x H):

Weight: Туре

EXACTO

Stopwatch, digital



1 ... 99% ±3% at 35 ... 75%, otherwise ±5% 1% 2 x 1.5 V AAA (not included in scope of supply) 74 x 26 x 90 mm 106 g PK Cat. No.

1 4670846*LLG

DOSTMANN electronic GmbH

PK Cat. No.

1 9851018*LLG

1/100 sec., 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.

Туре

EBI 20-TH1-Set

PK Cat. No.

1 9908074*LLG

Stopwatch

You can find our complete range on our website.

Temperature data logger Traceable® Excursion-Trac[™], with 1 insertion probe



Temperature data logger for monitoring the temperature in refrigerators and freezers. Transmission of the data recorded in CSV format via a USB port.

- Display of max./min. Temperature and current temperature Smart-Alarm[™] with visual and acoustic alarm in the event of limit violations
- Large measurement data memory
- Switchable °C/°F
- Storage of up to 10 different alarm messages
- NIST-traceable certificate included

Scope of supply: Temperature data logger with 1 insertion probe, 3 m cable, stand, hook-and-loop strips, magnetic strips, wall mount, batteries, NIST-traceable calibration certificate

Specifactions

Temperature range:	-90 105 °C
Accuracy:	±0.2 °C
Resolution:	0.01 °C
Memory:	525600 measured values
Dimensions probe (WxDxH):	70 x 19 x 108 mm
Dimensions probe (L x Ø):	159 x 3.2 mm
Power supply:	2 x AAA
Туре	PK Cat. No.

Traceable[®] Excursion-Trac[™] with 1 insertion probe

1 4687369*LLG

8-step irreversible temperature strips testoterm[®]





Strips for 8 temperatures with 5 types covering the measuring range from 37 to 260 °C. Each strip displays 8 different temperatures. Each strip measures 50 x 18 mm.

Measuring	PK	Cat. No.
range		
°C		
37 65	10	9246002*LLG
71 110	10	9246003*LLG
116 154	10	9246004*LLG
161 204	10	9246005*LLG
204 260	10	9246006*LLG

Laboratory Thermometer TFX 410

factory calibration certificate.

temperatures up to +400 °C

Specifications: Measurement range TFX

Housing material:

Operating temperature:

Dimensions (L \times W \times H):

Description

(without probe)

150 cm cable

TFX 410-1 + TPX 400-150 Laboratory thermometer with probe with tip and

with probe with tip and 60 cm cable

Storage temperature:

410:

Accuracy:

Sensor:

Weight:

IP code:

Туре

TFX 410

TFX 410-1

TFX 410-1 + TPX 200

TFX 410-1 + TPX 400

Power supply:

Battery lifetime:

Resolution:

Certificate:



LLG- General-purpose thermometers, red filling



monthing and a faile fai

Enclosed-scale type, with eyelet. With uncoated, prismatic measuring capillary. Red spirit filling (except 9.235 265: blue).

Measuring	Length	Diam.	PK	Cat. No.
range				
°C	mm	mm		
-10/0 50	200	7 8	1	9235245*LLG
-10/0 100	260	7 8	1	9235250*LLG
-10/0 150	260	7 8	1	9235255*LLG
-10/0 200*	300	7 8	1	9235260*LLG
-10/0 250*	300	7 8	1	9235265*LLG
* Note: With the	se types the	colour can fa	e after extended periods of use at higher tempe	eratures.

1 6243018*LLG

STIRRING, SHAKING AND MIXING



MS-Set 1

Shaker VORTEX 2

Rocking shakers Duomax 1030



- Different Tilt Angles
- Overheating Protection

heidolph



The Rocking shakers Duomax are suitable for the modular Incubator 1000 and are recommended for applications which require variable temperatures. With 2-dimensional tilting movement, suitable for Petri dishes, culture bottles, Erlenmeyer flasks and all standard vessels.

- 2 models available: Tilt angle to 5° for soft and gentle movements or tilt angle to 10° for a much stronger motion
- An overtemperature sensor preventatively shuts off the unit in a dangerous heat-up situation, particularly valuable for you in case of continuous operation
- Set and continuously adjust the variable speed on the analogue control knob, suitable for all standard vessels

Specifications

Type of movement:	rocking
Tumbling angle:	5° or 10°
Speed range:	2 50 rpm
Max. Load:	5 kg
Timer:	1 120 min
Power consumption:	115 W
Permissible ambient temperature:	5 31 °C
Permissible relative moisture:	80%
Platform dimensions (W x D):	290 x 258 mm
Overall dimensions (W \times D \times H):	320 x 375 x 185 mm
Weight:	8 kg
Power supply:	230 V, 50/60 Hz
Protection class acc. to DIN EN 60529:	IP 40



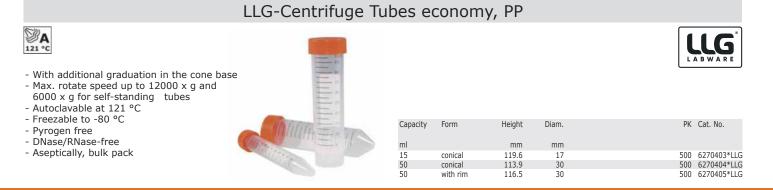
Vortex shaker especially for short-time operation (Touch function) or continuous operation.

Specifications

Type of movement: Orbital diameter: Max. shaken quantity: Motor rating input/output: Speed range: Dimensions (W x H x D): Weight: Enclosure according to DIN EN 60529: orbital 4 mm 400 g 39/9 W 500 to 2500 rpm 120 x 138 x 140 mm 3.9 kg IP 21

IKA

			lype	Plug type	PK	Cat. No.	
Туре	Inclination angle	PK Cat. No.					
711 -	· · · · · · · · · · · · · · · · · · ·						
	U		VORTEX 2	2 EU	1	7971443*LLG	
Duomax 1030	5	1 9839855*LLG	VORTEX 2	UK	1	6317556*LLG	
Duomax 1030	10	1 9839856*LLG	VORTEX 2	CH	1	6492282*LLG	



Precision balances Entris[®] II, LLG Premium Line







- Quality "Made in Germany"
- Very Fast Stabilization and
- Settling Times
- High Chemical Resistance



SVILOTEXAS



The evolution of the Entris[®] balance series. The large portfolio offers the right model for every weighing task. With many convenient functions for efficiency and accuracy in the laboratory. Quality "Made in Germany".

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

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

Specifications

Weighing platform:	182 x 182 mm
Dimensions (W x D x H):	219 x 317 x 94 mm
Power supply:	100 240 V, 50 60 Hz

Туре	Capacity	PK	Cat. No.
	g		
BCE622i-1S	620	1	4669160*LLG
BCE822i-1S	820	1	4669184*LLG
BCE2202i-1S	2200	1	4669120*LLG
BCE3202i-1S	3200	1	4669132*LLG
BCE4202i-1S	4200	1	4669140*LLG
BCE6202i-1S	6200	1	4669156*LLG

LLG-Sample dishes, Aluminium



High-quality aluminium sample dishes for moisture determination.

Description	Diam.	Heiaht	PK Cat. No.
Bebenpelon	Dianin	inengine	
	mm	mm	
	mm	mm	
Sample dishes	90	7	80 6282670*LLG
Sample dishes	100	7	80 6265408*LLG
Sample dishes with rim	100	7	80 6281537*LLG
Sample dishes with him	100	/	00 020155/"LLG

Analytical balance Type ACJ



- Single Cell
- Weighing System
- Short Settling Time
- Stable Temperature Behaviour

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.



KERN

Specifications

Overall dimensions (W x D x H): Dimensions weighing space (W x D x H): Permissible ambient temperature: Net weight:

210 x 340 x 325 mm 174 x 162 x 227 mm 10 °C/30 °C approx. 6 kg

Туре	Capacity	PK	Cat. No.
	g		
ACJ 80-4M	82	1	4680329*LLG
ACJ 100-4M	120	1	6316869*LLG
ACJ 200-4M	220	1	4680330*LLG
ACJ 300-4M	320	1	6314246*LLG

Halogen Moisture Analyser DBS 60-3



Modern moisture analyser with 10 memories and graphic display.

- Halogen quartz glass heater 400 W
 Backlit LCD, digit height 15 mm: Previous drying time, current temperature, unit for displaying the results, current moisture content in %, drying mode/Status display drying
- Observation window over the sample, useful during the initial adjustment

Specifications

Readability: Weighing range, max: Reproducibility, weight of sample 2 g: Reproducibility, weight of sample 10 g: Temperature range: Dimensions (W x D x H):



0.01% or 0.001 g 60 g 0.15% 0.02% 50 ... 200 °C 204 x 336 x 167 mm

PK	Cat. No.
1	9901441*LLG

Туре

DBS 60-3

Mikrocentrifuge Frontier™ FC5513-K

With Unbalance Sensor







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

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

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

Specifications

Max. RCF:	17317 x g
Max. Speed:	20 13500 rpm
Max. Load:	24 x 1.5/2.0 ml
Timer:	10 s 99 h 59 min 59 s, continuous
Power consumption:	170 W
Dimensions (W x D x H):	277 x 356 x 236 mm
Weight:	13.1 kg
Power supply:	230 V, 50/60 Hz
Type	PK Cat. No.

FC5513-K

LLG-Microcentrifuge tubes, PP



Certified DNase-, RNase- and pyrogen-free. Clear, in bags. Suitable for microbiology. Guaranteed metal-

1 6323158*LLG

6

Specifications Autoclavability Temperature: Pressure: Time: Centrifugation Fixed angle rotor: Swing out rotor:			121 °C 1.05 bar or 15 psi 20 min or less 25000 x g 70000 x g		
Form	Volume ml	Max.		PK	Cat. No.
conical	0.5	20000		1000	9409023*
conical	1.5	25000		1000	9409024*
round	2.0	25000		1000	9409025*

free.

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



 Proven Quality Topseller





LLG-uniCFUGE 2/5

Compact and reasonably priced mini centrifuges 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 stripes.

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

Scope of supply: Centrifuge, mains cable

Specifications

opeenications					
Max. RCF:	1200 x g and 2000 x g				
Max. speed:	4000 rpm and 6000 rpm				
Motor:	brushless DC motor				
Max. load:	6 x 0.5/1.5/2 ml and 2 x 8-tube				
	PCR strips (0.2 ml) or 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				
Warranty:	3 years				
Description	Plug type	PK	Cat. No.		
LLG-uniCFUGE 2 with universal rotor	EU	1	6263510*LLG		
LLG-uniCFUGE 2 with universal rotor	UK	1	6263511*LLG		
LLG-uniCFUGE 2/5 with rotor	EU	1	6263515*LLG		
for 5 ml tubes					
LLG-uniCFUGE 2/5 with rotor for 5 ml tubes	UK	1	6263516*LLG		
IOI J IIII LUDES					

LLG-Centrifuge tubes, 5 ml, PP, with Safe-Lock lid



You can find our complete range on our website.

200 6322888*LLG



KEFO d.o.o.

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LABOR**TOPS**

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



- Topseller - Compact
 - High Flow Rate

The pump combines a high flow rate with a very compact design. Suitable for filtration, SPE, and liquid aspiration using a vacuum. Due to the manual rotational speed control, the pump is quiet, very energy efficient, and can be optimally adjusted following the application.

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

Specifications

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



Туре	Flow rate	Ultimate vacuum	Dimensions (W x D x H)	Weight	РК	Cat. No.
	L / min.	mbar (abs).	mm	kg		
N96	7	130	75 x 156 x 119	1.3	1	4672374*LLG