

LABORTOPS

valid until 30th of June 2018

LLG-Syringe Filters *SPHEROS*



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

NEW

SPHEROS

**Further details
on page 3**



Chromatography	2	pH Measurement	20
Cryogenic Accessories	4	Spray / Bunsen Burner	22
Cooling	6	Life Science	23
Sampling and Sample Storage	8	Electrophoresis	24
Desiccators	9	LLG Labware Instruments	26
Occupational Safety	10	Cleaning	28
Clean Room	12	Absorption	29
General Laboratory Consumables	14	General Laboratory Consumables	30
IKA Special	15	Liquid Handling	31
Water Baths / Heating Mantles	19		

LLG-Short Thread Vials ND9 and Fitting Sealing Caps



**BIG
PACK**

Short Thread Vial ND9 with flat bottom and wide opening, clear glass. Sealing cap for ND9 Short Thread Vial.

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Vial, 1.50 ml, 11.6 x 32 mm	1000	6.290 728	113,00	79,10
Cap, blue, Septa silicone white / PTFE red	1000	6.290 729	258,00	180,60

LLG Crimp Neck Vials ND11 and Fitting Crimp Caps



**BIG
PACK**

Crimp Neck Vial ND11 with flat bottom and wide opening, clear glass. Crimp cap for ND11 Crimp Neck Vial.

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Vial, 1.50 ml, 11.6 x 32 mm	1000	6.290 730	99,00	69,30
Cap, aluminium, silver, Septa, natural rubber red-orange / TEF transparent	1000	6.290 731	94,00	65,80

LLG-Crimping Tools ND11



-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Manual crimper	1	9.003 471	199,00	139,30
Manual decapper	1	9.003 367	219,00	153,30

LLG-Disposable Syringes, 3-part, PP, non-sterile, bulk



- Barrel: PP, Plunger: PP and Polyisoprene rubber
- Smooth flow, tight, high transparency barrel
- Latex-free, pyrogen-free, DEHP-free, non-toxic
- Non-sterile, bulk packed in box of 500
- Defined safety stop to avoid accidental pull-out of plunger
- Suitable for all syringe filters with Luer connection

-40%

Capacity	Nozzle type	PK	Cat. No.	Price	Now
ml				EUR	EUR
2	Luer-Slip	500	6.267 267	43,20	25,92
5	Luer-Slip	500	6.267 268	47,50	28,50
10	Luer-Slip	500	6.267 269	73,30	43,98
20	Luer-Slip	500	6.267 270	110,20	66,12
2	Luer-Lock	500	6.286 616	43,20	25,92
5	Luer-Lock	500	6.286 617	47,50	28,50
10	Luer-Lock	500	6.286 618	73,30	43,98
20	Luer-Lock	500	6.286 619	110,20	66,12

Disposable Syringes HSW NORM-JECT®, 2-part, PP/PE, sterile



- PP barrel, with PE piston, with Luer or Luer-Lock nozzle
- Smooth flow, tight, high transparency barrel
- No rubber, styrene or DEHP, latex- and silicone-oil-free
- Pyrogen-free, PVC-free, non-toxic
- Sterile, individually blister strip packed
- Defined position of the plunger at volume "0" to feel when plunger is completely inserted
- Extended graduation for wider range of application
- Tested for use in HPLC
- Defined safety stop to avoid accidental pull-out of plunger

-25%

Capacity	Nozzle type	PK	Cat. No.	Price	Now
ml				EUR	EUR
1 : 1/100 (Tuberculin)	Luer-Slip	100	9.410 000	12,00	9,68
2 (3)	Luer-Slip	100	9.410 002	7,70	5,78
5 (6)	Luer-Slip	100	9.410 005	9,70	7,28
10 (12)	Luer-Slip	100	9.410 010	15,70	11,78
20 (24)	Luer-Slip	100	9.410 020	18,00	13,50
2 (3)	Luer-Lock	100	6.234 387	13,50	10,13
5 (6)	Luer-Lock	100	6.234 388	14,10	10,58
10 (12)	Luer-Lock	100	6.286 306	17,00	13,43
20 (24)	Luer-Lock	100	7.631 525	20,90	15,68

LLG-Syringe Filters *SPHEROS*

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

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



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



Cellulose Acetate

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

-40%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, red	-	100	6.272 802	77,00	46,20
13	0.45	PP, red	-	100	6.272 803	77,00	46,20
25	0.22	PP, red	-	50	6.272 804	47,00	28,20
25	0.45	PP, red	-	50	6.272 805	47,00	28,20
13	0.22	PP, red	+	100	6.272 806	109,00	65,40
13	0.45	PP, red	+	100	6.272 807	109,00	65,40
25	0.22	PP, red	+	45	6.272 808	47,00	28,20
25	0.45	PP, red	+	45	6.272 809	47,00	28,20

Nylon

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

-40%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, pink	-	100	6.272 810	77,00	46,20
13	0.45	PP, pink	-	100	6.272 811	77,00	46,20
25	0.22	PP, pink	-	50	6.272 812	47,00	28,20
25	0.45	PP, pink	-	50	6.272 813	47,00	28,20

PTFE

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

-40%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, white	-	100	6.272 816	77,00	46,20
13	0.45	PP, white	-	100	6.272 817	77,00	46,20
25	0.22	PP, white	-	50	6.272 818	47,00	28,20
25	0.45	PP, white	-	50	6.272 819	47,00	28,20

Cryovials with external screw thread, PP, sterile



Self-standing, conical. Increase storage capacity in mechanical and gaseous phase liquid nitrogen freezers. With writing area and graduation. Gamma radiation sterilized. One-handed operation possible. DNase/RNase free. Pyrogen-free and non-cytotoxic.



With PP screw cap and silicone gasket, System 100.

-25%

Capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
1.5	12	48	25	9.400 913	21,50	16,13



With HDPE screw cap and sealing ring, Type 5000.

-25%

Capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
1.2	13.5	38	25	9.400 941	14,10	10,58
2.0	13.5	48	25	9.400 942	14,10	10,58
5.0	13.5	92	50	6.290 797	28,00	21,00

LLG-Cryotubes, PP, sterile



- Good Value
- Completely Made of PP

With star-shape in the screw cap, for automated capper/decapper. Temperature resistant down to -196 °C. **Not appropriate for operations in liquid nitrogen.** With marking area, fill line and graduations printed on the vial. Safe and precise handling of biotechnology materials. Bar-code printed on each tube. DNase/RNase free. Vials and caps are autoclavable at 121 °C.

- Homogeneous conception: single-body, single-turn screw cap
- Printed graduations for accurate measurements
- Large white area for writing specimen identification
- With stand ring

Packed in 2 bags of 50 tubes.

-40%

Capacity	Ext. diam.	Height	Thread	PK	Cat. No.	Price	Now
ml	mm	mm				EUR	EUR
1.2	12.6	40.2	external	100	9.401 160	26,40	21,84
2.0	12.6	45.6	external	100	9.401 162	26,40	21,84
2.0	12.6	48.2	internal	100	9.401 163	26,60	21,96
2.0	12.6	44.5	external*	100	9.401 164	26,40	21,84
5.0	12.6	87.6	external	100	9.401 166	26,40	21,84
5.0	12.6	90.3	internal	100	9.401 168	26,40	21,84

* Without stand ring

Insert Cap Disks for LLG-cryotubes, PP



Cap-disk with star-shaped insert. For colour-coding of LLG-cryotubes and quick identification of the samples.

-40%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
blue	1000	9.401 170	26,40	15,84
white	1000	9.401 171	26,40	15,84
yellow	1000	9.401 172	26,40	15,84
red	1000	9.401 174	26,40	15,84
green	1000	9.401 175	26,40	15,84

LLG-Cryogenic Storage Boxes, plastic coated, white

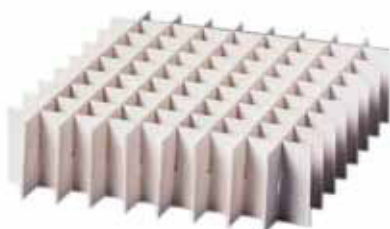


Made of cardboard, plastic coated.
Without divider.
Please order inserts separately.

**BIG
PACK**

Dimensions (l x w x h) mm	PK	Cat. No.	Price EUR
133 x 133 x 50	10	6.290 869	32,00
133 x 133 x 75	10	6.290 878	35,00
133 x 133 x 100	10	6.290 879	42,00
136 x 136 x 50	10	6.290 870	32,00
136 x 136 x 50	10	6.290 873	51,50
136 x 136 x 50	10	6.290 877	35,00

LLG-Partition Inserts for Cryoboxes, white

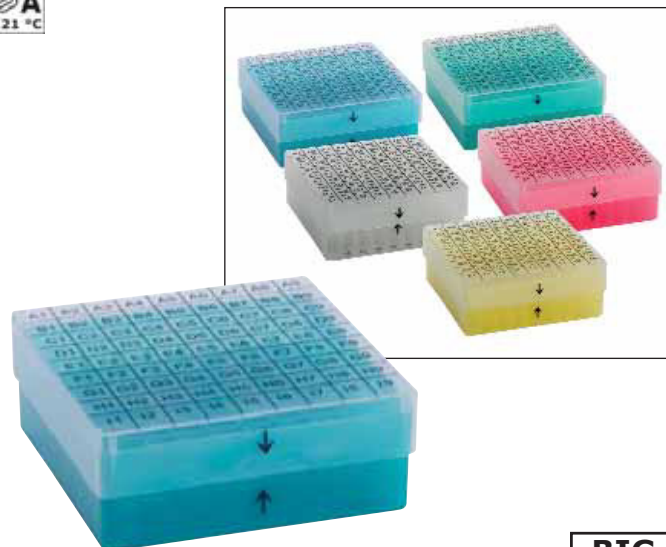


**BIG
PACK**

With compartment heights and formats as indicated.

Dimensions (l x w x h) mm	Array	For tubes diam. mm	PK	Cat. No.	Price EUR
133 x 133 x 30	9 x 9	ca. 13,0	10	6.290 871	16,00
133 x 133 x 30	10 x 10	ca. 12,0	10	6.290 876	16,00
136 x 136 x 30	9 x 9	ca. 12,5	10	6.290 872	16,00
136 x 136 x 30	10 x 10	ca. 13,9	10	6.290 874	22,00
136 x 136 x 65	9 x 9	ca. 13,9	10	6.290 875	16,00

Cryogenic Boxes, 81 Well, PP, autoclavable



**BIG
PACK**

-15%

The boxes are made of polypropylene and can be used in temperatures as low as -90 °C. The boxes are autoclavable at +121 °C for 20 minutes. The boxes have a fixed grid divider with 9 x 9 cells and are suited for 1.2 ml and 2 ml cryogenic vials. Cellcodes are printed on the lid for easy identification.

Type	Dimensions (l x w x h) mm	PK	Cat. No.	Price EUR	Now EUR
Blue	130 x 130 x 50	5	6.290 855	16,90	14,37
Green	130 x 130 x 50	5	6.290 856	16,90	14,37
Natural	130 x 130 x 50	5	6.290 857	16,90	14,37
Red	130 x 130 x 50	5	6.290 858	16,90	14,37
Yellow	130 x 130 x 50	5	6.290 859	16,90	14,37

Cryogenic Boxes, SYSTEM 100™ 5026, PC, autoclavable



**Thermo
SCIENTIFIC**



Stable, autoclavable PC. With printed grid on lid for cryovials and similar tubes up to 13.5 mm diameter. Temperature resistant from -196 to +121 °C. With grid numbers for reliable identification of individual samples. For tubes up to 12.5 mm diameter.

-15%

For tubes ml	Dimensions (l x w x h) mm	Array	PK	Cat. No.	Price EUR	Now EUR
1/1.5	133 x 133 x 52	10 x 10	1	9.400 927	15,70	13,35

Deep Freeze Labels TOUGH-SPOTS®



Pre-cut peel-off round labels for 0.5 and 1.5/2.0 ml microcentrifuge tube tops. Temperature resistant from -196 °C to 80 °C.

- Easy to write on: PVC labels accept writing from most lab markers.
- Convenient: Dispensing box assists in labelling individual tubes used in small experiments.

-25%

Colour	Diam.	For tubes	PK	Cat. No.	Price	Now
	mm				EUR	EUR
White	9.5	0.5 ml	1000	9.040 711	69,50	52,13
Blue	9.5	0.5 ml	1000	9.040 712	69,50	52,13
Green	9.5	0.5 ml	1000	9.040 713	69,50	52,13
Red	9.5	0.5 ml	1000	9.040 714	69,50	52,13
Yellow	9.5	0.5 ml	1000	9.040 715	69,50	52,13
White	13.0	1.5/2.0 ml	1000	9.040 716	69,50	52,13
Blue	13.0	1.5/2.0 ml	1000	9.040 717	69,50	52,13
Green	13.0	1.5/2.0 ml	1000	9.040 718	69,50	52,13
Red	13.0	1.5/2.0 ml	1000	9.040 719	69,50	52,13
Yellow	13.0	1.5/2.0 ml	1000	9.040 720	69,50	52,13

Deep Freeze Labels Cryo-Babies® / Cryo-Tags®



High Temperature Resistance

Temperature resistant from -196 °C to +150 °C. All labels withstand freezer temperatures down to -196 °C (liquid and vapour phase nitrogen), boiling water baths, autoclaving and moderate ovens (150 °C). Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling or degrading. Made with a flexible, polyolefin label material and acrylic adhesive. Convenient dispensing box assists in labelling individual tubes used in small experiments. PVC labels accept writing from most lab markers including solvent resistant pens. Colour: white.

-25%

Type	Dimensions (W x D)	For tubes	PK	Cat. No.	Price	Now
	mm				EUR	EUR
Cryo-Babies®	24 x 13	0.5ml tubes	1000	9.100 030	62,70	47,03
Cryo-Babies®	33 x 13	1.5/2.0ml tubes	1000	9.100 031	62,70	47,03
Cryo-Tags®	38 x 13	General application	1000	9.100 032	62,70	47,03

Cool Packs Icecatch®-Gel



Reusable

For temperature sensitive products used in the pharmaceutical, biotech, medical and food industries.

- Cooling gel
- Reliable cold storage through the use of immobilised coolant
- For repeat usage due to the use of robust PA/PE film
- Unobjectionable use in the pharmaceutical and food industries
- Phase transition 0 °C
- Spreading of heat absorption around the 0 °C range through the use of immobilised cooling gel
- Optimal price/heat absorption capacity relationship

-15%

Dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
mm	g			EUR	EUR
90 x 150 x 20	170	80	9.695 001	48,70	41,40
90 x 180 x 20	230	60	9.695 002	37,50	31,88
140 x 190 x 30	460	32	9.695 003	25,10	21,34
140 x 240 x 40	690	24	9.695 004	22,70	19,30

Cool Packs Freez'Pack®



- Composition: water, carboxymethyl cellulose, acticides and blue dye
- Suitable for food contact (non-toxic coolant)
- Dishwasher safe

BIG PACK

-10%

Type	Dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
	mm	g			EUR	EUR
Freez'Pack® M5	150 x 80 x 25	200	10	6.290 795	14,70	13,23
Freez'Pack® M20	200 x 172 x 30	741	5	6.290 796	16,80	15,12
Freez'Pack® M30	255 x 210 x 30	1100	5	6.290 852	23,10	20,79

Cooling Boxes, Icetime® Plus/Icetime® Plus Extreme

CAMPINGGAZ®



- Strong, high quality PU insulation
- Lockable lid, which clicks audibly when closing
- Handle for easy transport

Icetime® Plus Extreme:

- Antimicrobial walls for smell, fungi and mould

-10%

Type	Capacity	External dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
	litres	mm	g			EUR	EUR
Icetime® Plus	26	407 x 313 x 424	2400	1	6.284 954	25,20	22,68
Icetime® Plus	30	410 x 310 x 460	2600	1	6.284 527	33,70	30,33
Icetime® Plus Extreme	29	410 x 310 x 460	2700	1	7.645 874	42,10	37,89

Cooling Bag Fold'N Cool™

CAMPINGGAZ®



The cooler Fold'N Cool™ 30 L has a wide range of uses and can be laid flat after use. 1 large front pocket with zip, 2 carrying handles and hanging loop.

- 100 % polyester with PU coating on the back
- Easy-to-clean inner material, food-free PEVA
- Isolation: high-performance EPE foam
- Dark blue/grey

-10%

Capacity	External dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
litres	mm	g			EUR	EUR
30	390 x 250 x 380	760	1	6.266 054	24,40	21,96

Isolation Box Icecatch®

ICECATCH®
Advanced Cooling Solutions



The standard thermo boxes made of Styrofoam® for temperature sensitive products used in the Pharmaceutical and food industries which have to be stored and transported within a specific temperature spectrum. In combination with the Icecatch cooling elements the perfect solution for the transport of temperature sensitive products.

Colour: white
Weight of foam: 20 g/l.

**BIG
PACK**

-10%

Capacity	External dimensions (W x D x H)	Wall thickness	PK	Cat. No.	Price	Now
L	mm	mm			EUR	EUR
3.1	260 x 170 x 190	30	5	6.290 853	21,20	19,08
9.1	335 x 255 x 230	30	5	6.290 854	40,60	36,54

Sampling and Sample Storage

Laboratory Mixers, BagMixer®



interscience



For sample preparation with easily adjustable paddle system. The BagMixer® is available in 3 sizes and blends all sample types prior to their microbial analysis. Thanks to their unique adjustable paddle system the blending chamber can be adjusted to the sample volume. Combined with the variable speed, a higher bacterial recovery rate is achieved. All BagMixer® units are fitted with a timer. Constructed in stainless steel. The fully opening door enables easy cleaning.

BagMixer® 400 P with stainless steel door.
BagMixer® 400 W and 400 CC with see through glass door.

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



-15%

Type	Volume	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
	ml				EUR	EUR
BagMixer® 400 P	50 to 400	260 x 390 290	1	6.204 551	1.620,00	1.385,50
BagMixer® 400 W	50 to 400	260 x 390 290	1	6.224 287	1.955,00	1.661,75
BagMixer® 400 CC	50 to 400	260 420 265	1	9.570 098	2.720,00	2.320,50

Laboratory Mixer Bag Rotator Genie™



Gentle and Efficient Mixing

Powerful and rugged rotator for effective mixing of transfer packs or random sealed bags, maintaining platelets and other sample components in suspension without risk of damage.

- Wire basket holds up to 40 standard 300 ml transfer packs (5 packs per compartment)
- Specialized basket design prevents bag movement
- Gentle yet thorough mixing
- Bags rotate "end-over-end" with a fixed speed of 3 RPM regardless of the number of bags
- Heavy and durable base prevents unit from tipping over

Specifications

Speed:	3 rpm
Capacity:	40 x 300 ml
Dimensions (W x D x H):	252 x 508 x 267 mm
Weight:	7.7 kg

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Bag Rotator Genie™, EU plug	1	6.272 988	1.085,70	922,85

Blender Bags, BagSystem®

Sample bags for various applications. Available in different sizes, with or without filter function for keeping back particles.

BagPage® bags are equipped with a membrane filter.

BagFilter® P bags are additionally divided: one area for the sample and one for taking the filtrated liquid.

RollBag® bags are equipped with a reinforced opening and therefore suitable for sample transportation and use in the **BagMixer®** (or other homogenizers).

BagLight® bags are filterless single bags.



-30%

Type	Description	Width mm	Height mm	PK	Cat. No.	Price	Now
						EUR	EUR
BagLight® 100	plain bag, sleeve 25	110	185	500	9.570 075	84,80	59,36
BagLight® 400	plain bag, sleeve 25	175	300	1000	9.570 097	105,60	73,92
BagLight® 3500	plain bag, sleeve 25	380	510	500	9.570 077	284,80	199,36
BagFilter® 400 P	side filter bag, sleeve 25	190	300	500	9.570 078	229,60	230,72
BagFilter® 3500 P	side filter bag, sleeve 10	380	510	100	9.570 079	227,20	159,04
BagPage® 100	full-size filter bag, sleeve 25	180	95	500	9.570 080	234,40	234,08
BagPage® Plus 400	full-size filter bag, sleeve 25	190	300	500	9.570 081	229,60	230,72
BagPage® 3500	full-size filter bag, sleeve 10	380	510	100	9.570 082	227,20	159,04
RollBag® 1300 ml	plain single bags	175	290	500	9.570 096	194,40	136,08

interscience



Accessories for blender bags BagSystem®



-30%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
BagOpen® 80/100	bag opener	1	9.570 083	88,80	62,16
BagOpen® 400	bag opener	1	9.570 084	88,80	62,16
BagOpen® 3500	bag opener	1	9.570 085	285,60	199,92
BagPipet®	pipette with 3 fixed graduations: 0.1, 0.9, 1.0 ml	1	9.570 091	268,80	188,16
BagTips® Regular	straws for BagPipet®, 19 cm, sterile	1000	9.570 092	44,40	31,08
BagTips® Jumbo	straws for BagPipet®, 24 cm, sterile	1000	9.570 093	49,20	34,44

Desiccator Star, PMMA



Includes four transparent acrylic shelves, tray, hygrometer and desiccant, with positions for up to 26 shelves and stackable.

Specifications

Panels:	clear
Material:	PMMA
Temperature resistance:	-20 °C to + 70 °C
Maximum all-over load per shelf:	10 kg
Total all-over load:	30 kg

-10%

Type	Volume	External dimensions (W x D x H)	Weight	PK	Cat. No.	Price	Now
	litres	mm	kg			EUR	EUR
Star	42	310 x 375 x 525	7.0	1	9.042 651	747,90	673,11

Desiccators Auto Dry Box

Automatic Drying:
Without Desiccant

Automatic drying and storage without desiccant. Ideal for the long-term storage of e.g. Reference samples, electronic components or optical instruments under defined moisture conditions. Relative humidity adjustable in 3 steps between 25 % and 55 % relative humidity, very quiet operation. Includes 1 to 3 shelves, lockable glass door and analogue hydrometer. Model RT-48C with pull-out shelf.

Specifications

Max. load shelves:	10 kg
Power:	220-240 V

-20%

Type	Volume	External dimensions (W x D x H)	Max. number shelves	PK	Cat. No.	Price	Now
	litres	mm				EUR	EUR
HD-40GD	32	340 x 350 x 390	1	1	6.286 116	490,00	392,00
RT-48C	46	312 x 384 x 470	1	1	6.286 117	650,00	520,00
AD-75	72	400 x 412 x 555	3	1	6.286 118	890,00	712,00
AD-106	114	400 x 412 x 835	3	1	6.286 119	1.150,00	920,00

LLG-Desiccant Drying Agents, silica gel, self-indicating

With orange indicator colour. Grain size 1 to 3 mm or 2 to 5 mm. The gel is naturally orange when active and at a 6 weight-% saturation level. As the gel adsorbs moisture, the colour develops into a dark shade. The range of application is identical with that of white silica gel. The colour change, however, represents a great advantage since it allows monitoring of the saturation level. The gel can be regenerated when heated at a temperature of maximum 120 °C until it turns to its original orange colour.

Adsorption capacity
(RH : residual moisture)

RH 20 %	12 weight %
RH 35 %	20 weight %
RH 50 %	27 weight %
RH 90 %	40 weight %



-10%

Granulation	Package contents	PK	Cat. No.	Price	Now
				EUR	EUR
1 to 3 mm	Tin, 1 kg	1	9.042 584	29,30	26,37
1 to 3 mm	Bucket, 3 kg	1	9.042 585	65,70	59,13
1 to 3 mm	Bucket, 8 kg	1	9.042 586	172,10	154,89
2 to 5 mm	Tin, 1 kg	1	9.042 581	40,20	36,18
2 to 5 mm	Bucket, 3 kg	1	9.042 582	116,20	104,58
2 to 5 mm	Bucket, 8 kg	1	9.042 583	306,40	275,76

Disposable Gloves TouchNTuff®, Nitrile, Powder-Free

EN 374 EN 374



Ansell

NEW



! Antistatic

- Manufactured from nitrile, TouchNTuff® offers up to four times the puncture resistance of comparable natural-latex gloves, and three times the resistance of similar neoprene gloves.
- It contains no natural rubber proteins, which means no risk of Type I allergies for the wearer. Primary skin irritation studies and Insult Patch Tests have also shown no evidence of risk from irritation or allergic contact dermatitis.
- With a unique "Thin Nitrile Technology" formulation, this glove offers easy donning and strong grip in wet or dry conditions.
- Highly versatile and suitable for many different uses
- AQL 1.5 (EN374)
- **Cat. III Low Chemical resistant.**
- 100 % nitrile, green, powder-free, 0.1 mm thick.
- Supplied in dispenser box containing 100 gloves.

TouchNTuff® is anti-staticity tested (EN 1149-1 & 1149-3) and meets the requirements defined in EN 1149-5

-10%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S (6 to 7)	240	100	9.005 400	24,80	22,32
M (7 to 8)	240	100	9.005 401	24,80	22,32
L (8 to 9)	240	100	9.005 402	24,80	22,32
XL (9 to 10)	240	100	9.005 403	24,80	22,32

Disposable Gloves Pearl, Nitrile, Powder-Free

EN 374 EN 374



! 10 Boxes of 100 Gloves

Disposable gloves in different colours

- Nitrile gloves with rolling edges
- Micro-roughened finger tips
- Suitable for handling food
- Non-sterile
- AQL 1.5 (EN455), T. 1-3
- **Cat. III Low Chemical resistant**
- Powder-and latex-free
- Supplied in 10 dispenser boxes containing 100 gloves

BIG
PACK

-10%

Type	Size	Colour	PK	Cat. No.	Price	Now
					EUR	EUR
COBALT PEARL	XS	cobalt blue	1000	6.290 798	80,40	72,36
COBALT PEARL	S	cobalt blue	1000	6.290 799	80,40	72,36
COBALT PEARL	M	cobalt blue	1000	6.290 800	80,40	72,36
COBALT PEARL	L	cobalt blue	1000	6.290 801	80,40	72,36
COBALT PEARL	XL	cobalt blue	1000	6.290 802	80,40	72,36
BLACK PEARL	XS	black	1000	6.290 803	80,40	72,36
BLACK PEARL	S	black	1000	6.290 804	80,40	72,36
BLACK PEARL	M	black	1000	6.290 805	80,40	72,36
BLACK PEARL	L	black	1000	6.290 806	80,40	72,36
BLACK PEARL	XL	black	1000	6.290 807	80,40	72,36
OPAL PEARL	XS	turquoise	1000	6.290 808	80,40	72,36
OPAL PEARL	S	turquoise	1000	6.290 809	80,40	72,36
OPAL PEARL	M	turquoise	1000	6.290 810	80,40	72,36
OPAL PEARL	L	turquoise	1000	6.290 811	80,40	72,36
VIOLET PEARL	XS	violet	1000	6.290 812	80,40	72,36
VIOLET PEARL	S	violet	1000	6.290 813	80,40	72,36
VIOLET PEARL	M	violet	1000	6.290 814	80,40	72,36
VIOLET PEARL	L	violet	1000	6.290 815	80,40	72,36
VIOLET PEARL	XL	violet	1000	6.290 816	80,40	72,36
PINK PEARL	XS	pink	1000	6.290 817	80,40	72,36
PINK PEARL	S	pink	1000	6.290 818	80,40	72,36
PINK PEARL	M	pink	1000	6.290 819	80,40	72,36
PINK PEARL	L	pink	1000	6.290 820	80,40	72,36
MINT PEARL	XS	mint	1000	6.290 821	80,40	72,36
MINT PEARL	S	mint	1000	6.290 822	80,40	72,36
MINT PEARL	M	mint	1000	6.290 823	80,40	72,36
MINT PEARL	L	mint	1000	6.290 824	80,40	72,36
MINT PEARL	XL	mint	1000	6.290 825	80,40	72,36
PEACH PEARL	XS	apricot	1000	6.290 826	80,40	72,36
PEACH PEARL	S	apricot	1000	6.290 827	80,40	72,36
PEACH PEARL	M	apricot	1000	6.290 828	80,40	72,36
PEACH PEARL	L	apricot	1000	6.290 829	80,40	72,36
RED PEARL	XS	red	1000	6.290 830	80,40	72,36
RED PEARL	S	red	1000	6.290 831	80,40	72,36
RED PEARL	M	red	1000	6.290 832	80,40	72,36
RED PEARL	L	red	1000	6.290 833	80,40	72,36
RED PEARL	XL	red	1000	6.290 834	80,40	72,36

LLG-Safety Eyeshields *basic* +

NEW

**Very Lightweight - only 23 g**

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

-15%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
Clear	Clear, uncoated, 2-1.2 U 1 F CE	10	6.290 868	45,00	38,25

Respirators Aura™ 9300+ Series, Folding Masks

3M



9.005 672



9.005 673

Particle masks Series 3M™ Aura™ 9300+ offer effective respiratory protection in industrial applications where workers are exposed to dust and/or non-volatile liquid particles.

Features and advantages of the Aura™ 9300+ series

- Clear vision: Embossed top panel helps reduce fogging of eyewear
- Low breathing resistance filter technology combines the benefits of 3M's electret particulate filter material with advanced low breathing resistance filter technology
- 3M™ Cool Flow™ Valve effectively removes heat build up to provide a cooler and more comfortable wear
- Innovative chin tab improves ease of donning and adjustment to help achieve a comfortable fit
- Ingenious 3-Panel design fits a wide range of face shapes and sizes to accommodate your facial movements
- Coloured headbands for easy identification: yellow for FFP1, blue for FFP 2 and red for FFP3
- Flat-fold; easy to store when not in use
- Hygienic individual packaging helps to protect the respirator from contamination before use

Authorization: EU construction test (CE mark)
Testing standards: EN 149:2001 + A1:2009

-10%

Type	Description	Protection-level	PK	Cat. No.	Price	Now
					EUR	EUR
Aura™ 9310+	without valve	FFP1	20	9.005 670	25,80	23,22
Aura™ 9312+	with Cool-Flow valve	FFP1	10	9.005 671	25,40	22,86
Aura™ 9320+	without valve	FFP2	20	9.005 672	40,30	44,37
Aura™ 9322+	with Cool-Flow valve	FFP2	10	9.005 673	37,20	33,48
Aura™ 9330+	without valve	FFP3	20	9.005 674	113,60	102,24
Aura™ 9332+	with Cool-Flow valve	FFP3	10	9.005 675	71,60	64,44

Mini-Ultrasonic Cleaner
LLG-uniSONIC 1

- **Small and Compact**
- **For Glasses and Laboratory Parts**

For convenient cleaning of goggles or smaller laboratory instruments. Eco-friendly, only needs warm water. By ultrasonic sound millions of small air bubbles are generated. Combined with very high pressure, these can achieve a fast, efficient and effortless cleaning.

- Ready to use, no assembly required
- Automatic 3-minute-operation can be stopped anytime
- Removable lid
- Stainless steel tank

Specifications

Capacity:	approx. 340 ml
Frequency:	45 kHz
Cleaning Performance:	30 Watt
Outer Dimensions (W x D x H) approx.:	200 x 115 x 115 mm
Dimensions tank (W x D x H) approx.:	155 x 80 x 40 mm
Weight:	630 g
Power supply:	220 - 240 V, 50 Hz



-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniSONIC 1	1	6.263 560	49,90	42,42

Hood for Cleanroom, polyester



- 100 % polyester
- Washable
- Suitable for cleanroom class ISO 5

-20%

Size	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
S/M	white	1	4.659 060	19,90	15,92
L/XL	white	1	4.659 061	19,90	15,92
S/M	blue	1	4.659 062	19,90	15,92
L/XL	blue	1	4.659 063	19,90	15,92

Cleanroom Gloves Nitrilite® Silky, nitrile, powder-free

EN 374 EN 374



- **High Chemical and Puncture Resistance**
- **For a Wide Range of Industrial Applications**

Produced in a controlled powder-free environment, they feature low levels of extractables and particles for excellent product protection. The 100 % nitrile polymer prevents the risk of allergies related to latex proteins for the wearer. It also provides exceptional chemical and puncture resistance for further safety. All this, added to optimal electrical properties, makes Nitrilite® gloves ideal for a wide range of industrial sectors.

- AQL of 1.5
- **Cat. III**

Packaging: 50 gloves vacuum sealed in an unprinted polybag, two bags of 50 gloves per master polybag. All packaging and labeling is printed with IPA-resistant ink. The gloves are double bagged for superior contamination control. Packed in an ISO Class 5 cleanroom.



-20%

Size	Length	PK	Cat. No.	Price	Now
	cm			EUR	EUR
S	30	100	6.253 290	27,20	29,76
M	30	100	6.253 291	27,20	29,76
L	30	100	6.253 292	27,20	29,76
XL	30	100	6.253 293	27,20	29,76
XXL	30	100	6.262 160	27,20	29,76

Overall for Cleanroom, with lateral zip, polyester



The 100 % polyester overall is available in two different colour versions. Falling of hair, dust and other particles from the overall is prevented by double sleeves. In the area of the sleeves, the waist and the lower hem, rubber bands are incorporated. Oblique lateral zip. Washable. Suitable for cleanroom class ISO 5. Surface resistance: $10^6 - 10^8 \Omega$.

-20%

Size	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
XS	white	1	4.659 040	53,90	43,12
S	white	1	4.659 041	53,90	43,12
M	white	1	4.659 042	53,90	43,12
L	white	1	4.659 043	53,90	43,12
XL	white	1	4.659 044	53,90	43,12
XS	blue	1	4.659 045	53,90	43,12
S	blue	1	4.659 046	53,90	43,12
M	blue	1	4.659 047	53,90	43,12
L	blue	1	4.659 048	53,90	43,12
XL	blue	1	4.659 049	53,90	43,12

Adhesive Mats Sticky Mat



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

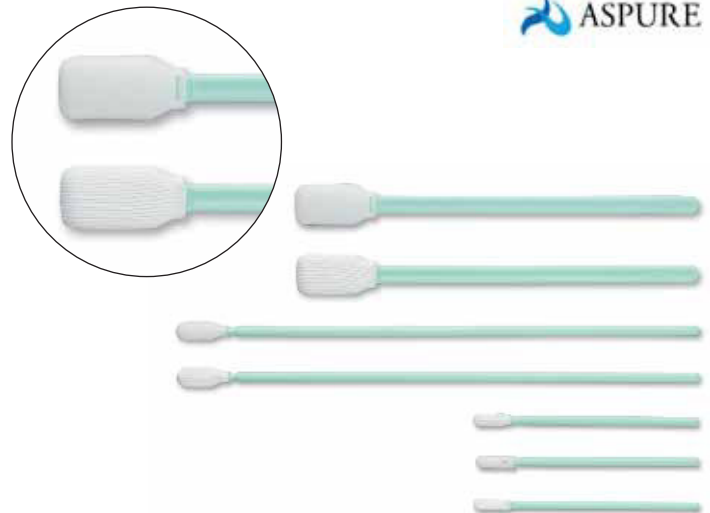
Each Sticky Mat consists of a stack of tear-off adhesive polyethylene sheets, effectively capturing dirt and dust from foot-traffic and equipment wheels before they enter controlled environments. A clear release sheet protects the top sheet of the sticky mat until it is ready to use. The corner tabs are consecutively numbered to show the number of remaining sheets.

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

-20%

Description	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
Pack of 10 mats of 30 sheets	white	10	6.272 241	95,00	76,00
Pack of 10 mats of 30 sheets	blue	10	6.272 242	95,00	76,00
Set of 10 mats of 30 sheets + 1 frame	white	1	6.272 243	150,00	120,00
Set of 10 mats of 30 sheets + 1 frame	blue	1	6.272 244	150,00	120,00
Frame for Cleanroom mats Sticky Mat	grey	1	6.272 245	72,00	57,60

Cleanroom-Swabs



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

Material shaft: PP
Cleanroom class: ISO 5

-20%

Length	Head size	Material Head	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
125	12.7 x 25	PU-foam	100	4.659 074	26,30	21,04
125	12.7 x 25	Polyester	100	4.659 075	19,90	15,92
162	6.8 x 16.8	PU-foam	100	4.659 076	16,90	13,52
162	6.8 x 16.8	Polyester	100	4.659 077	16,90	13,52
70	4.0 x 12.0	Polyester	100	4.659 078	7,90	6,32
70	3.5 x 11.0	PU-foam	100	4.659 079	7,90	6,32
70	3.5 x 11.0	Polyester	500	4.659 080	54,50	43,60

Cleanroom Wipes, Polyester



Cleanroom wipes, knitted, 229 x 229 mm, laser cut. Extremely low particle number and evaporation residues, minimum formation of dust and lint from the cutting edges due to the use of laser cutting technique. The use of polyester long fibers prevents the generation of lint. Suitable for cleanroom class ISO 5. 150 wipes per bag. Packed in double layer foil.

-20%

Dimensions	Cleanroom Class	PK	Cat. No.	Price	Now
mm				EUR	EUR
229 x 229	ISO 5	150	4.659 070	35,10	28,08

LLG-Lab Standing Rest



- Extra Wide Range of Heights: 51-78 cm
- Infinitely Adjustable

The LLG-Lab Standing Rest is the practical solution for laboratory workplaces where people have to sit as well as stand. To cope with this, it has a particularly wide range of heights that can be adjusted steplessly. Its ergonomic backrest and non-slip wave seat surface ensure that you feel completely safe and comfortable when you sit on it.

- Resistant to all of the usual disinfectants and chemicals.
- Seat upholstery made of soft-touch PU foam (extremely robust, washable and antibacterial) in black.
- Adheres to biosafety level BSL1 and BSL2 of the Directive for Biological Agents.
- GMP-conform.
- Rippled wave seat surface: Slip-resistant, it offers very good support and excellent ventilation.
- Integrated backrest: Best support of the lumbar region.
- Its low weight provides maximum mobility and easy handling in the laboratory.
- Seat height adjustment by gas spring.
- Seat swivel range of 360°.
- Solid black plastic star base, flat design.
- The chrome-plated foot ring provides support through the wide tread area and can be easily and quickly adjusted in height.



Description	Seat height adjustment	PK	Cat. No.	Price	Now
	mm			EUR	EUR
with Glides	510-780	1	6.288 956	159,00	127,20
with Glides and Foot Ring	510-780	1	6.288 957	199,00	159,20

Laboratory Trolley Clax Mobil comfort with Box



Ideal for Quick Transport

Stable, multi-use trolley with parking brake.
Push-button collapsing/unfolding.
Made in Germany.

Load capacity:	
Total:	60kg
Upper shelf:	20kg
Lower shelf:	40kg
Dimensions	
Unfolded (L x W x H):	900 x 580 x 1020 mm
Collapsed (L x W x H):	710 x 550 x 190 mm
Folding box dimensions	
Inner dimensions (W x D x H):	335 x 495 x 258 mm
Outer dimensions (W x D x H):	350 x 500 x 260 mm



Type	PK	Cat. No.	Price	Now
			EUR	EUR
Laboratory Trolley, incl. 1 folding box, 46 litres	1	9.148 100	193,60	154,88
Folding box single, 46 litres	1	9.148 099	19,30	15,44

LLG-Laboratory Jack, stainless steel



Plates made of stainless steel. Top plate with Ø 10 mm hole.
With non-skid rubber feet. Acc. to DIN 12897.



Dimensions (W x D)	Min. height	Max. height	Max. stat.	PK	Cat. No.	Price	Now
mm	mm	mm	kg			EUR	EUR
200 x 200	60	270	25	1	9.117 220	163,40	130,72

Overhead Stirrers MICROSTAR control

Overhead Stirrers MINISTAR control

IKA®



- Temperature Measurement in Medium
- Vibration Detection
- With Timer

Powerful overhead stirrers in a compact design for special applications.

- Hardened glass display for maximum visibility and chemical resistance
- Vibration sensors detect deviations from permissible thresholds and automatically stop the process
- USB interface, e.g. for documenting parameters or installing firmware updates
- Bluetooth interface
- Easy connection to labworldsoft®
- Temperature measurement directly in the medium with PT1000 temperature sensor

- Temperature reading on display
- Chemical resistant housing
- Continuously adjustable speed
- Microprocessor-controlled speed governor for constant rotational speed, even with changes in viscosity
- Key lock function
- Integrated timer
- **10 years warranty**

Scope of supply: Overhead stirrers incl. Temperature sensor PT1000

Specifications

	7.5 control // 15 control // 30 control
Stirring quantity max. (H ₂ O):	5 l // 10 l // 20 l
Max. viscosity:	4000 mPas // 8000 mPas // 20000 mPas
Motor rating input/output:	32 W/22 W
Speed range:	0/30 to 2000 rpm // 0/30 to 1000 rpm // 0/30 to 500 rpm
Temperature range min./max.:	-10 to 350 °C
Temperature accuracy:	±0.5 K
Max. torque:	7.5 Ncm // 15 Ncm // 30 Ncm
Display:	LCD
Chuck range:	0.5 to 8 mm
Dimensions (W x D x H):	60 x 136 x 173 mm
Weight:	1.18 kg // 1.26 kg // 1.26 kg
Protection class DIN EN 60529:	IP 54
Power supply:	100-240 V, 50/60 Hz

Specifications

	20 control // 40 control // 80 control
Stirring quantity max. (H ₂ O):	15 l // 25 l // 50 l
Max. viscosity:	10000 mPas // 30000 mPas // 60000 mPas
Motor rating input/output:	60 W/46 W
Speed range:	0/50 to 2000 rpm // 0/30 to 1000 rpm // 0/30 to 500 rpm
Temperature range min./max.:	-10 to 350 °C
Temperature accuracy:	±0.5 K
Max. torque:	7.5 Ncm // 15 Ncm // 30 Ncm
Display:	LCD
Chuck range:	0.5 to 8 mm
Dimensions (W x D x H):	70 x 154 x 193 mm
Weight:	1.56 kg // 1.72 kg // 1.72 kg
Protection class DIN EN 60529:	IP 54
Power supply:	100-240 V, 50/60 Hz

Type	PK	Cat. No.	Price
			EUR
MICROSTAR 7.5 control	1	6.310 242	1.049,00
MICROSTAR 15 control	1	6.272 998	1.109,00
MICROSTAR 30 control	1	6.310 244	1.149,00

Type	PK	Cat. No.	Price
			EUR
MINISTAR 20 control	1	6.289 511	1.109,00
MINISTAR 40 control	1	6.310 245	1.209,00
MINISTAR 80 control	1	6.310 246	1.309,00

Magnetic Stirrer IKA Plate (RCT digital)



With glass surface. The control can be optimized by regular firmware updates. The integrated timer and counter function supports the control of kinetics and sensitive reactions. The IKA SmartTemp® function protects users intelligently and predictably.

- Alteration of the stirring direction possible
- Heating plate made from aluminium alloy for optimum heat transmission
- Clearly arranged LCD display
- Housing made of glass for optimum cleaning and chemical resistance
- Temperature control directly in the medium with PT1000 temperature sensor
- Adjustable safety circuit up to 360 °C
- IKA SmartTemp® function prevents users from burn injuries
- Timer
- USB-/RS232 interface
- **10 years warranty**

Scope of supply: Magnetic stirrer incl. Temperature sensor PT1000



Specifications

Max. stirring quantity (H ₂ O):	20 l
Motor rating input/output:	50 W/9 W
Speed range:	50 to 1500 rpm
Max. stirring bar length:	80 mm
Heating power:	600 W
Heating rate (1 l H ₂ O):	7 K/min
Temperature range:	ambient +10 to 310 °C
Heat control accuracy at 100 °C:	±5 K
Safety circuit:	50 to 360 °C
Connection for ext. temp. sensor:	PT1000, ETS-D5, ETS-D6
Control accuracy with sensor PT1000, ETS-D5/ETS-D6:	±0.5 K/±0.2 K
Set-up Plate Material:	Aluminium alloy
Set-up Plate Dimensions:	diam. 135 mm
Protection class acc. to DIN EN 60529:	IP 42
Overall dimensions (W x D x H):	160 x 270 x 85 mm
Weight:	2.4 kg
Power supply:	220-230/115/100 V, 50/60 Hz



- **Changeable Rotation Direction**
- **PT1000 Included**
- **With Timer**

Type	PK	Cat. No.	Price
IKA Plate RCT digital	1	6.286 692	EUR 849,00

Magnetic Stirrer C-MAG HS 7 control



The magnetic stirrer C-Mag HS 7 control has a square top made of ceramic which offers excellent chemical resistance. The C-Mag HS 7 control improves over time with regular firmware updates. Control of kinetics and sensitive reactions are supported by the integrated timer and counter function.

- Powerful motor
- Alteration of the stirring direction possible
- Clearly arranged LCD display
- Temperature control directly in the media with PT1000 temperature sensor
- Adjustable safety circuit up to 650 °C
- IKA SmartTemp® hot surface warning to prevent burns
- Elevated control panel for protection against leaking liquids
- Timer
- USB/RS232 interface
- **10 years warranty**

Scope of supply:

Magnetic stirrer incl. Temperature sensor PT1000



Specifications

Max. stirring quantity (H ₂ O):	20 l
Motor rating input/output:	1020 W/9 W
Speed range:	50 to 1500 rpm
Max. stirring bar length:	80 mm
Heating power:	1000 W
Heating rate (1 l H ₂ O):	5 K/min
Temperature range:	ambient +5 to 500 °C
Heat control accuracy at 100 °C:	±5 K
Safety circuit:	100 to 650 °C
Connection for ext. temp. sensor:	PT1000, ETS-D5, ETS-D6
Control accuracy with sensor PT1000, ETS-D5/ETS-D6:	±0.5 K/±0.2 K
Set-up plate Material:	ceramic
Set-up plate Dimensions (W x D):	180 x 180 mm
Protection class acc. to DIN EN 60529:	IP 21
Overall dimensions (W x D x H):	220 x 354 x 88 mm
Weight:	4 kg
Power supply:	220-230/115/100 V, 50/60 Hz



- **Changeable Rotation Direction**
- **PT1000 Included**
- **With Timer**

Type	PK	Cat. No.	Price
C-MAG HS 7 control	1	6.288 285	EUR 899,00

Batch Mills Tube Mill control/Tube Mill 100 control

IKA®

Suitable for disposable and reusable grinding chambers. By using the disposable grinding chambers the possibility of cross-contamination and the effort of cleaning is eliminated. The mills can be used for hard (Mohs hardness up to 5), dry and brittle materials. They are especially suitable for grinding seeds, such as corn and wheat. The operation of the mill is only possible with properly closed grinding chamber and closed lid, for increased safety.

- Clearly arranged, multilingual OLED-display
- USB interface for control and documentation of all the parameters
- Interval operation available
- Stepless adjustable speed
- Adjustable safety speed and time
- Programmable and storable test conditions
- Reproducible test results
- Timer
- Easy operation with touch keypad
- Dust proof sealed housing
- Quiet operation

Scope of supply:

Tube Mill control: incl. 1 x disposable 40 ml grinding chamber and a multiple use 40 ml grinding chamber

Tube Mill 100 control: incl. 1 x disposable 40 ml and 100 ml grinding chamber, and a multiple use 40 ml grinding chamber.



- Prevents Cross-Contamination
- Low Cleaning Effort
- With Timer

Specifications

Operating principle:
Motor rating input/output:
Speed:
Chamber volume:
Timer:
Interval timer:
Overload protection:
Circumferential speed:
Max. feed hardness:
Dimensions (W x D x H):
Weight:
Protection class acc: to DIN EN 60529:
Power supply:

Tube Mill control // Tube Mill 100 control

cutting/impact
100/80 W
5000 to 25000 rpm
40 ml // 100 ml
5 s to 3 min
5 s to 60 s
yes
65 m/s
5 Mohs
180 x 300 x 170 mm // 180 x 300 x 212 mm
2.7 kg // 2.8 kg
IP 30
220-240 V, 50/60 Hz



Type	PK	Cat. No.	Price
			EUR
Tube Mill control	1	9.737 790	1.799,00
Tube Mill 100 control	1	7.644 727	1.999,00

Accessories for Batch Mill Tube Mill control/Tube Mill 100 control

Description	For	PK	Cat. No.	Price
				EUR
Disposable grinding chamber, 40 ml	Tube Mill control, Tube Mill 100 control	10	9.737 791	69,00
Disposable grinding chamber, 40 ml, sterile	Tube Mill control, Tube Mill 100 control	10	4.652 716	112,00
Disposable grinding chamber, 40 ml, big pack	Tube Mill control, Tube Mill 100 control	100	6.260 495	570,00
Disposable grinding chamber, 100 ml	Tube Mill 100 control	10	6.285 802	85,00
Disposable grinding chamber, 100 ml, sterile	Tube Mill 100 control	10	6.310 247	127,00
Disposable grinding chamber, 100 ml, big pack	Tube Mill 100 control	50	7.644 728	395,00

Digital Water Baths



- **Precise & Good Value**
- **Easy to Use**
- **Wide Range of Products**

The PolyScience water baths are characterized by a user-friendly display, high precision, simple operation and an excellent price-performance ratio. The inclined display makes the readability and usage very comfortable. The user-friendly Digital Temperature controller features three temperature pre-sets, for one-touch selection of frequently used set-points, plus a user settable high limit alarm that alerts if the bath temperature exceeds pre-set limits.

- Displays actual and set point temperature simultaneously
- Three push-button pre-sets for frequently used temperatures
- Integrated timer
- Calibration capability
- Five Reservoir sizes from 2 to 28 litres
- Reservoir drain (10, 20 and 28 liter baths)
- Primary and automatic safety thermostats
- Stainless steel tank with hinged gable lid
- 3.25" illuminated LCD-Display
- Maximum Ambient Temperature: 40 °C
- Sample tray included
- Temperature Range: Ambient: + 5 to 99 °C
- Temperature Uniformity: ± 0.2 °C
- Temperature Stability: ± 0.1 °C



-30%

Scope of supply: Wather bath with lid.

Volume	External dimensions (W x D x H)	Internal dimensions (W x D x H)	Power consumption	PK	Cat. No.	Price	Now
litres	mm	mm	W			EUR	EUR
2	229 x 305 x 343	109 x 99 x 152	120	1	6.267 596	789,00	552,30
5	368 x 305 x 343	274 x 127 x 152	360	1	6.267 597	858,00	600,60
10	393 x 432 x 393	269 x 295 x 152	1000	1	6.267 598	937,00	655,90
20	572 x 432 x 393	432 x 241 x 152	1400	1	6.267 599	1.081,00	756,70
28	572 x 432 x 457	432 x 241 x 203	1400	1	6.267 800	1.132,00	792,40

LabHEAT®- Heating Mantles Series KM-G



LabHEAT®- Heating mantles for flasks, round bottom. Flexible glass yarn heating element, outer jacket in glass silk, with diam. 60 mm, bottom out-let from 500ml. Max. heating element temperature 450 °C, 1.5 m power supply (earthed) cable with heating-zone switch and RCD (residual current detection), nominal voltage 230 V AC.

-10%

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.	Price	Now
ml	mm	W				EUR	EUR
100	64	120	1	1	9.642 403	271,00	243,90
250	85	180	2	1	9.642 404	274,00	246,60
500	105	250	2	1	9.642 405	282,00	253,80
1000	131	450	2	1	9.642 406	316,00	284,40

LLG-Indicator Paper Sticks



! Affordable !



Box of 100 indicator paper sticks of 80 mm length.

-10%

Range	PK	Cat. No.	Price	Now
pH			EUR	EUR
0 - 14	100	9.129 807	9,10	8,19

LLG-Universal Indicator Paper, strips



Vial with snap lid of 100 pre-cut indicator paper strips, of 65 mm length.

-10%

Range	PK	Cat. No.	Price	Now
pH			EUR	EUR
1 - 14	100	9.129 805	8,40	7,56



LLG-Universal Indicator Paper, rolls



Plastic dispensing reel with 1 roll of 5 m.

-10%

Range	PK	Cat. No.	Price	Now
pH			EUR	EUR
1 - 11	1	9.129 800	6,00	5,40
1 - 14	1	9.129 802	6,00	5,40

Multiparameter Pocket Tester Eutech Elite PCTS

The Elite PCTS pocket tester simultaneously displays pH, conductivity/TDS/salinity with temperature. With leakproof, transparent wide-base cap for upright standing with 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 PCTS: Tester incl. batteries, lanyard
Elite PCTS Kit: Tester incl. batteries, lanyard, soft carry case, buffer sachet set (pH 4.01, 7.00, 10.01, deionized water, 5 x 20 ml each), CTS conductivity Standard Sachets (5 x 1413 µS/cm KCl and 5 x 2764 µS/cm KCl)



Easy to Use

Specifications

pH range:	-1.00 to 15.00 pH
Resolution:	0.01 pH
Accuracy:	±0.01 pH + 1 LSD
Calibration type:	point to point
Conductivity:	0.0 to 200.0 µS/200 to 2000 µS/ 2.00 to 20.00 mS
Resolution:	0.1 µS/1 µS/0.01 mS
Accuracy:	±1 % full scale
Calibration points:	1 to 3 points
TDS:	0.0 to 100.0 ppm/100 to 1000 ppm/ 0.10 to 10.00 ppt
Resolution:	0.1 ppm/1 ppm/0.01 ppt
Accuracy:	±1 % full scale
Calibration points:	1 to 3 points
Salinity:	0.00 to 10.00 ppt
Resolution:	0.10 ppt
Accuracy:	±1 % full scale
Calibration points:	1 point
Temperature range:	0 to 60.0 °C
Resolution:	0.1 °C
Accuracy:	0 to 50 °C (±0.5 °C + 1 LSD) 50 to 60 °C (±1.0 °C + 1 LSD)
Operating temperature:	5 to 45 °C
Relative humidity:	5 to 85 %, non-condensing
Temperature compensation:	ATC
Dimensions (W x L x H):	200 x 45 x 36 mm
Weight:	160 g
Power supply:	4 AAA 1.5 V batteries
Protection class:	IP 67

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Elite PCTS	1	6.290 135	200,00	170,00
Elite PCTS Kit	1	6.290 140	230,00	195,50

pH Pocket Tester Eutech Elite pH/Elite pH Spear

EUTECH
INSTRUMENTS
Technology Made Easy

NEW



6.290 135



6.290 131



6.290 136

Simultaneously measure pH and temperature with a pocket sized tester designed to provide accurate measurements on the go for a variety of applications. The Pocket Tester Elite pH has a leakproof, transparent wide-base cap for upright standing with fill line indicator.

The Elite pH Spear pocket tester features a spear tip open pore sensor. This rugged and user-friendly tester is ideal for direct measurement of solid or semi-solid samples.

- 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 pH and Elite pH Spear: Tester incl. batteries and lanyard
Elite pH Kit and Elite pH Spear Kit: Tester incl. batteries, lanyard, soft carry case, buffer sachets set (pH 4.01, 7.00, 10.01, deionized water, 5 x 20 ml each)

Specifications

pH range:	-1.00 to 15.00
Resolution:	0.01 pH
Accuracy:	±0.01 pH ±1 LSD
pH calibration points:	1 to 3 points
Temperature range:	0 to 60 °C
Resolution:	0.1 °C
Accuracy:	0 to 50 °C (±0.5 °C + 1 LSD) 50 to 60 °C (±1.0 °C + 1 LSD)
Operating temperature:	5 to 45 °C
Relative humidity:	5 to 85 %, non-condensing
Temperature compensation:	Elite
pH/pH Spear:	ATC/MTC
Dimensions (W x L x H) Elite pH/ pH Spear:	200 x 45 x 36 mm/ 280 x 45 x 36 mm
Weight Elite pH/pH Spear:	160 g/150 g
Power supply:	4 x AAA 1.5 V batteries
Protection class:	IP 67

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Elite pH	1	6.290 131	160,00	136,00
Elite pH Spear	1	6.290 136	200,00	246,50
Elite pH Spear Kit	1	6.290 142	340,00	289,00

Dust Remover Spray, DRUCKLUFT 67



Compressed air spray for contact-free removal of dust and dirt in hard-to-reach places using the capillary tube nozzles attached. Safe, clean, oil-free. Acc. to Aerosol policy 75/324/EWG no danger of inflammation or explosion when using as intended. DRUCKLUFT 67 contains pure and dry compressed gas and is very efficient.

Examples of use:
photography, precision electronics,
watchmaking, cameras, medical technology,
microscopy, research.

Pressure: 4.2 bar (20 °C)
Density: 1.00 g/cm³ (20 °C)

-10%

Description	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
Dust remover spray	200	1	9.412 800	14,40	12,96
Dust remover spray	400	1	9.412 801	24,80	22,32

Label Remover Spray, Solvent 50



SOLVENT 50 is a highly effective label solvent for the effortless removal of self adhesive labels, on the basis of natural orange terpenes. It works on the adhesive and quickly and gently dissolves adhesive labels on glass, porcelain, metal, wood, foil and cardboard. SOLVENT 50 also removes sticky residue of any kind, such as tar spots or glue residue from stickers. Check compatibility when using on plastics. Not suitable for polystyrene.

Density: 0.74 g/cm³ (20 °C)
Ignition point: < 0 °C
Evaporation rate: 94 (DIN 53170 Ether = 1).

-10%

Type	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
Solvent 50, Spray can	200	1	9.412 810	8,60	7,74
Solvent 50 Super, Spray can, with dosing brush	200	1	6.270 569	10,60	9,54

Bunsen Burner, Labogaz® 206



For operation with gas cartridge
C 206 GLS
(Cat.-No.: 6.290 860, 6.261 010).
DVGW-authorized.

Weight: 380 g without cartridge
Height: 200 mm with cartridge
Consumption: 55 g/h

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Labogaz® 206	1	9.018 510	58,90	53,01

Bunsen Burner, Labogaz® 470



For operation with gas cartridges
CV 470 Plus
(Cat.-No.: 9.018 512, 6.261 011).

Weight: 380 g without cartridge
Height: 190 mm with cartridge
Consumption: 55 g/h

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Labogaz® 470	1	9.018 511	58,90	53,01

Gas Cartridges



6.290 860



9.018 512

C 206 GLS pierceable cartridge

Piercing cartridge with integrated gas lock system according to EN 417: 2012. For bunsen burner without safety valve. For bunsen burners Labogaz® 206.

CV470 Plus valve cartridge

With safety valve. For bunsen burner Labogaz® 470.

Gas ratio 80/20 Butane/Propane.

Safety valve allows removal of partially used valve gas cartridges.

-10%

Type	Height	Capacity	PK	Cat. No.	Price	Now
	mm	g			EUR	EUR
C 206 GLS	90	190	5	6.290 860	11,70	10,53
C 206 GLS	90	190	36	6.261 010	84,40	75,96
CV 470 Plus	140	450	1	9.018 512	12,40	11,16
CV 470 Plus	140	450	12	6.261 011	146,00	104,40

LLG-Microbiological Media, dehydrated

Media for bacteria

Luria Bertani (Miller):

- Standard high salt content media for *E. coli* cultivation
- Ideal for plasmid preparation
- Available also as granulated media

Luria Bertani (Lennox):

- Standard medium with low salt content for the cultivation of *E. coli*
- Ideal for cultivating recombinant *E. coli* strains

Terrific Broth:

- Rich content media for the high density cultivation of *E. coli*
- Ideal for protein expression and plasmid preparation
- Available also as granulated media

2xYT Broth:

- Nutritive medium for the cultivation of recombinant *E. coli* strains and for the growth of filamentous bacteriophages

Agar

Bact. Agar.:

- High quality agar used for the preparation of culture media and other bacteriological applications

Luria Bertani Agar (Miller):

- Standard Agar based on Luria Bertani (Miller) media with high salt content
- Ideal for growth and maintaining especially of *E. coli* strains used in molecular microbiology procedures

Luria Bertani Agar (Lennox):

- Standard Agar based on Luria Bertani (Lennox) media with low salt content
- Ideal for growth and maintaining especially of recombinant *E. coli* strains



Made in Europe
★ ★ ★



Disposable Culture Tubes, soda-lime glass, with screw cap



DURAN
WHEATON
KIMBLE
Certification on your request

From Soda-lime glass. With DIN thread and PP1 screw cap.

-10%

Capacity ml	Outer diam. mm	Height mm	Wall thickness mm	DIN-Thread GL	PK	Cat. No.	Price EUR	Now EUR
6	12	100	1	14	100	7.021 547	39,70	35,73
12	16	100	1	18	100	7.021 548	42,60	38,34
22	16	160	1	18	100	7.021 549	52,30	47,07
32	18	180	1	18	100	7.021 550	61,10	54,99

Media for yeasts

YPD-Broth:

- Standard medium for the cultivation of *Saccharomyces cerevisiae* and other yeasts



Media components

Yeast Extract:

- Concentrate of the water-soluble portion of autolyzed *Saccharomyces cerevisiae* cells
- Non-animal product, used widely for non-animal formulations of bacterial, fungal, mammalian and insect cell culture.

Tryptone:

- Pancreatic digest, tryptone from casein
- Excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products

Casein Peptone:

- Pancreatic digest, peptone from casein
- Ideal for use in fermentation applications and microbiological culture media

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

Powder and Granulates

Description	Capacity	PK	Cat. No.	Price	Now
	g			EUR	EUR
Luria Bertani (Miller) Powder	500	1	6.271 000	49,90	42,42
Luria Bertani (Lennox) Powder	500	1	6.271 010	48,90	41,57
Terrific Broth Powder	500	1	6.271 007	48,40	41,14
2xYT Broth Powder	500	1	6.271 001	59,70	50,75
Bact. Agar Powder	500	1	6.271 003	80,00	68,00
Luria Bertani Agar (Miller) Powder	500	1	6.271 009	47,40	40,29
Luria Bertani Agar (Lennox) Powder	500	1	6.271 008	51,90	44,12
YPD Broth Powder	500	1	6.271 002	54,00	45,90
Yeast Extract Powder	500	1	6.271 004	52,40	44,54
Tryptone Powder	500	1	6.271 005	79,20	67,32
Casein Peptone Powder	500	1	6.271 011	66,20	56,27

-15%

LLG-Petridishes, PS



Made in Europe
★ ★ ★



- Top Quality
- Super Price

Made of high quality optical clear polystyrene. Produced under aseptic conditions in an ISO 6 cleanroom.

- Stable thickness to prevent any deformations while using
- Stackable
- With or without vents
- Aseptic (90 mm diam.) or beta irradiated sterile versions (all sizes)
- Contact plate with counting grid
- Packed in sleeves á 10 dishes or 20 dishes (90 mm diam. dishes)

-20%

Ext. diam. mm	Description	Height approx. mm	PK	Cat. No.	Price	Now
					EUR	EUR
90	with triple vents, aseptic	16	480	6.285 823	45,70	36,56
90	without vents, aseptic	16	480	6.285 824	44,30	35,44
90	with triple vents, sterile	16	480	6.285 816	62,10	49,68
90	without vents, sterile	16	480	6.285 817	62,10	49,68
60	with triple vents, sterile	14	1000	6.285 818	123,70	98,96
60	without vents, sterile	14	1000	6.285 819	123,70	98,96
150	with triple vents, sterile	19	180	6.285 822	140,70	112,56
55	contact plate, sterile	17	1000	6.285 821	225,70	180,56

Gel Electrophoresis Tank
MultiSUB Mini DUO



Gel Electrophoresis Tank
MultiSUB Midi DUO



 **Top Price**



The MultiSUB Mini DUO is the smallest unit in the range, designed for low to medium numbers of samples. The cost-effective small gel size does not compromise versatility as two tray options are available: 7 x 7 cm and 7 x 10 cm. Easy preparation up to 16 samples. Simply by altering the gel tray or comb, this compact unit is capable of resolving up to 64 different samples, prepping 1 ml of sample or separating sample bands over a distance of 9 cm.

Scope of delivery:
MultiSUB Mini DUO: 7 x 7 cm and 7 x 10 cm UV Tray, 2 x 8 sample combs.
With additional loading guides and dams.

Specifications
Gel dimensions (W x L): 7 x 7 cm and 7 x 10 cm
Unit dimensions (W x L x H): 21 x 9 x 9 cm
Max. sample capacity: 7 x 7 cm tray, 32 samples
7 x 10 cm tray, 64 samples
Buffer volume: 225 ml



-20%

Description	Thickness mm	Sample volume µl	PK	Cat. No.	Price EUR	Now EUR
MultiSUB Mini DUO			1	7.920 043	392,60	314,08
Comb 8 sample	1,50	37	1	6.227 144	28,40	22,72
Comb 8 sample	1,00	25	1	9.584 655	28,40	22,72
Comb 12 sample MC	1,00	14	1	6.232 523	28,40	22,72
Comb 12 sample MC	1,50	20	1	6.233 617	28,40	22,72
Comb 16 sample	1,00	10	1	6.227 253	28,40	22,72
Comb 16 sample	1,50	15	1	9.584 656	28,40	22,72

MC = Multichannel compatible.

With gel tray options of 10 x 7 cm and 10 x 10 cm, the MultiSUB Midi DUO has been designed for routine horizontal gel electrophoresis. Extending only the width of this unit allows more samples to be resolved per gel, than the MultiSUB Mini, without a significant increase in buffer or gel volumes. A maximum of 100 samples per gel can be resolved making this unit ideal for those routinely checking medium numbers of samples over short to medium gel run lengths.

Scope of delivery:
MultiSUB Midi DUO: 10 x 7 cm + 10 x 10 cm UV tray, 2 x 16 sample combs
With additional loading tank guides and dams.

Specifications
Gel dimensions (W x L): 10 x 7 cm and 10 x 10 cm
Unit dimensions (W x L x H): 22 x 12.5 x 9 cm
Max. sample capacity: 10 x 7 cm tray, 50 samples
10 x 10 cm tray, 100 samples
Buffer volume: 300 ml



-20%

Description	Thickness mm	Sample volume µl	PK	Cat. No.	Price EUR	Now EUR
MultiSUB Midi DUO			1	6.238 115	413,20	330,56
Comb 8 sample	1,00	41	1	9.584 657	28,30	22,64
Comb 10 sample MC	1,00	27	1	9.584 658	32,60	26,08
Comb 12 sample	1,00	23	1	9.584 659	22,60	26,08
Comb 16 sample	1,00	16	1	9.584 660	22,60	26,08
Comb 20 sample MC	1,00	14	1	9.584 661	22,60	26,08
Comb 25 sample	1,00	10	1	9.584 662	32,60	26,08

MC = Multichannel compatible.

Power Supply NanoPAC-300P Mini for Gel Electrophoresis Tanks



**Ideal for Electrophoresis Chambers,
e.g. Cleaver Scientific
MultiSUB Systems**



The NanoPAC-300 is capable of running all Cleaver Scientific horizontal multiSUB™ systems and vertical omniPAGE mini gel systems.

- Maximum constant current output of 400mA
- Simple two step feature to set a programmable change in voltage, current and time during the run
- Constant voltage up to 300 V
- Adjustable in 1 V and 1mA increments
- Two parallel outputs
- Continuous run or timed setting up to 999 minutes
- Automatic safety shutdown
- Alarm function
- Easy-to-clean polycarbonate housing
- 3-digit LED display

-20%

Type	Rating	PK	Cat. No.	Price	Now
	W			EUR	EUR
NanoPAC-300P Mini	60	1	6.272 711	499,50	399,60

UV Lamps

- Filtered and unfiltered(*) UV lamps with different wave lengths and power levels for a broad range of applications
- Models with wave length selector suited for multiple applications
- Electronic ballast (ECG), flicker-free, low-maintenance

Please order lamp holder separately.



-10%

Type	Description	Size	Wave-length	Power	PK	Cat. No.	Price	Now
		mm	nm	W			EUR	EUR
BVL-6.LC	wavelength selector	145 x 48	365 / 254	1 x 6	1	9.971 918	474,00	426,60
BVL-8.LM	wavelength selector	220 x 48	365 / 312	1 x 8	1	9.971 937	550,00	495,00
BVL-115.L	Single wavelength	295 x 66	365	1 x 15	1	9.971 936	618,00	556,20
BVL-208.G*	UV sterilization lamp	230 x 70	254	2 x 8	1	9.971 935	486,00	437,40
BVL-215.G*	UV sterilization lamp	495 x 120	254	2 x 15	1	9.971 915	508,00	457,20

Lamp Holder for UV lamps



-10%

Type	For Type	PK	Cat. No.	Price	Now
				EUR	EUR
SVL-6	BVL-6, BVL-8, BVL-208.G	1	9.971 921	144,00	129,60
SVL-30	BVL-115, BVL-215	1	9.971 922	176,00	158,40

Disc Rotator LLG-uniLOOPMIX 2



Analogue Disc rotator for gentle and effective sample mixing. Suitable for all biological samples. With easily interchangeable clamps that allow a **quick cleaning** of the rotator.
For a maximum of 48 x 1.5 ml, 16 x 5 or 15 ml, 8 x 50 ml tubes. Also for parallel use of different sizes, can be equipped individually.

- Variable speed 0 - 80 rpm
- Compact design
- Housing easy to clean
- Non-slip, adjustable screw feet

Scope of delivery: Disc rotator incl. 12 clamps each for 2 ml, 15 ml and 50 ml tubes

Specifications

Type of movement:	rotating
Variable speed:	0 - 80 rpm
Rotation angle of disc:	360°
Permissible shaking weight (incl. attachment):	2 kg
rel. Moisture:	up to max 80 %
Working temp.:	+ 5 - 40 °C
Motor rating input/output:	20 W
Dimensions (W x D x H):	220 x 300 x 310 mm
Power supply:	100 - 240 V, 50/60 Hz
Protection class:	IP 21

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniLOOPMIX 2 with EU-plug	1	6.263 665	435,00	369,75



Flexible Feeding of Different Vessel Types



LLG-Centrifuge Tubes economy, PP



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



- **Leak-Proof**
- **DNase and RNAse free**

-30%

Form	Capacity	Height	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
conical	15	119,6	500	6.270 403	85,00	59,50
conical	50	113,9	500	6.270 404	110,00	77,00
with rim	50	116,5	500	6.270 405	140,00	98,00



Vortexer LLG-uniTEXER with Universal Attachment



- One Cap for Many Tubes & Vessels
- Touch- and Permanent Operation
- 3 Speeds Selectable

One Head - Multiple Uses

Vortexer with single carrier head, accommodating the most popular consumables and tubes:
for 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.

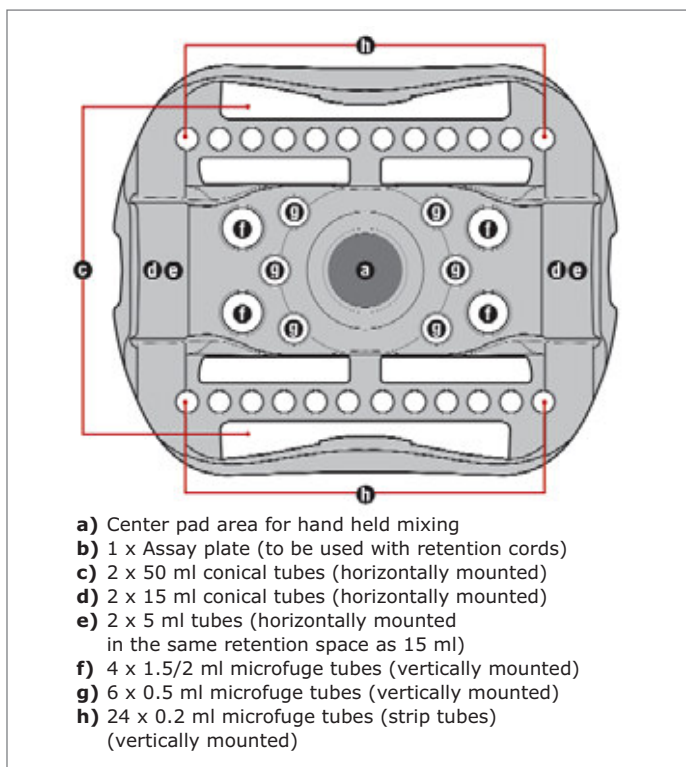
- Touch function for short-term operation
- Very easy to clean
- Elastomeric feet ensure excellent stability on the bench
- Modern design
- Robust housing made of ABS

Specifications

Type of movement:	orbital/vortex
Orbital diameter:	3.7 mm
Speed:	1000, 2000 und 3000 rpm
Dimensions (W x D x H):	173 x 198 x 198 mm
Weight:	3.8 kg
Power supply:	220 V, 50/60 Hz
Protection class:	IP 20

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniTEXER	1	6.261 826	209,00	177,65



LLG-Test Tube Racks, wire/nylon

White nylon-coated wire. Opening size 18 x 18 mm
(6.286 416 = 30 x 30 mm)

-15%

Length	Width	Height	Array	PK	Cat. No.	Price	Now
mm	mm	mm				EUR	EUR
130	54	70	2 x 6	1	6.286 410	15,00	12,75
248	55	70	2 x 12	1	6.286 411	17,20	14,62
248	73	70	3 x 12	1	6.286 412	19,50	16,58
130	95	70	4 x 6	1	6.286 413	17,20	14,62
248	94	70	4 x 12	1	6.286 414	21,30	18,11
215	208	70	10 x 10	1	6.286 415	29,00	24,65
235	85	80	6 x 2	1	6.286 416	35,30	30,01



Wipes, Wypall* L20/L30



Perforated, blue Airflex* material. Bulky wipes with excellent absorption capacity and wet strength. For cleaning-up large spillages and suitable for most surfaces.

Material:

L20: AIRFLEX*, 2-ply

L30: AIRFLEX*, 3-ply

-10%

Width	Length	Package contents	Colour	Type	PK	Cat. No.	Price	Now
mm	mm						EUR	EUR
235	380	1 roll x 500 wipes	blue	L20	1	9.413 054	11,40	10,26
330	380	1 roll x 500 wipes	blue	L20	1	9.413 044	14,50	13,05
205	380	6 rolls x 300 wipes	white	L20	6	9.413 091	66,90	60,21
330	380	1 roll x 750 wipes	blue	L30	1	9.413 046	46,30	41,67

Wipes Multiclean®, 3-ply



Handy cleaning cloths, resistant and with high wet strength, they are ideal for light and coarse dirt work.

-10%

Width	Length	Weight	Package contents	PK	Cat. No.	Price	Now
mm	mm	g / m ²				EUR	EUR
220	380	60	2 rolls with 500 tears	2	7.618 013	48,70	43,83
380	380	54	2 rolls with 500 tears	2	7.618 212	70,70	63,63
360	360	54	Roll with 1000 tears	1	7.671 903	65,60	59,04

Multitex® Roll Ultra z 70, white, disposable tissues



The high-quality viscose fleece with textile characteristics is suitable for wet and dry cleaning tasks, thanks to its incredible strength. The cloths are very soft and yet lint-free, they can absorb large amounts of liquid and remain tear-resistant, they are solvent-resistant and they meet food safety requirements. Silicone free.

-10%

Width	Length	Thickness	Weight	Package contents	PK	Cat. No.	Price	Now
mm	mm	mm	g / m ²				EUR	EUR
410	380	0.36	80	roll with 500 tears	1	6.266 675	105,30	94,77

Unitex® Roll, turquoise, disposable Tissues



Unitex® cleaning cloth from cellulose and polyester fibers.

- Without binders, chemicals or adhesives
- Resistant to solvents and silicone free
- Particularly tear-resistant and lintfree
- Useable dry and wet, high absorption capacity
- Excellent for cleaning and degreasing surface

-10%

Width	Length	Thickness	Weight	Package contents	PK	Cat. No.	Price	Now
mm	mm	mm	g / m ²				EUR	EUR
390	325	0.28	68	roll with 500 tears	1	6.266 677	96,90	87,21

Roll Holders



With waste bag holder for rolls up to 42 cm width.

-10%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Floor stand	1	6.266 990	72,60	65,34
Wall bracket	1	6.266 991	58,60	52,74

LLG-Absorbent, Oil and Chemical Binder, granules



- Universally Applicable
- Dust-Free Granules



Universal chemical and oil binder for all liquids, also for solvents. Very high absorption capacity (up to 1:75 of aqueous solutions).

Almost dust-free granules with colour indicator:
1 colour changes to yellow in contact with acids,
2 to red in contact with alkalis.

Disposal according to the pollutant recorded.

-10%

Capacity	Package	PK	Cat. No.	Price	Now
kg				EUR	EUR
0.7	Laboratory bottle	1	6.283 036	43,30	38,97
1.5	Square handle bottle	1	6.283 037	63,80	57,42
5.0	Bucket	1	6.270 479	147,90	133,11

Chemical Sorbents Emergency Kits



9.264 104

Each kit has the optimal combination of different sorbents. Ready to use. Quick and safe aid for accidental spillages of almost all hazardous liquids.



9.264 105

-15%

Type	Dimensions	Absorption*	Capacity	PK	Cat. No.	Price	Now
SK5	7 x 40 x 28 cm	approx. 5 l	10 wipes, 1 pillow, 1 waste bag	1	9.264 104	57,20	48,62
SK26	40 x 63 cm	approx. 26 l	10 wipes, 5 pillow, 5 mini socks, 1 waste bag	1	9.264 105	329,40	322,49

*Capacity per kit

Waste Disposal Unit Standard, PE-HD



Complete Set



Disposal unit for liquid waste, PE-HD, useful for the collection of solvent and sample waste. With funnel, hinged lid and removable sieve to collect magnetic stirrers and residues. The sieve is detachable for cleaning. Delivered with container and funnel, ready to use.

-10%

Capacity	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
L				EUR	EUR
2.5	115 x 150 x 305	1	9.139 892	82,80	74,52
5.0	150 x 195 x 345	1	9.139 893	86,60	77,94
10.0	190 x 230 x 395	1	9.139 894	86,60	77,94

Chemical Sorbents



9.264 101



9.264 102



9.264 103

The sorbents have a high performance. Due to their new microfibre structure, they provide very high absorbing capacities. The light and absorbent material is easy to use and committed to absorb quickly and store the liquid. The absorbed liquid can be extracted, to be used again or to be disposed of separately. The optimal combination of features such as lightweight, low volume, very high absorbance, easy handling and low sorbent disposal weight, significantly reduce disposal costs in comparison to conventional binding materials. To reduce the final waste content, the used sorbents can be burnt.

Can be used to absorb a variety of lab chemicals:

- acids, such as acetic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid
- alkalis, such as sodium hydroxide, potassium hydroxide
- hydrazine: N_2H_4
- hydrogen peroxide

-10%

Type	Dimensions (W x D)	Absorption*	PK	Cat. No.	Price	Now
PF 2001 Multi-Format	1520 cm x 12 cm	39 l	1	9.264 101	90,90	81,81
P 110 Wipes	33 cm x 28 cm	0.25 l	50	9.264 102	52,00	46,80
P 300 Pillows	28 cm x 18 cm	2 l	16	9.264 103	191,80	172,62

*Capacity per piece

Erlenmeyer Flasks, Borosilicate glass 3.3, narrow neck



DIN ISO 1773. With graduations and beaded rim.

-20%

Capacity	Neck diam.	Bottom diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
25	22	42	70	10	9.141 079	41,90	33,52
50	22	51	90	10	9.141 080	42,10	33,68
100	22	64	105	10	9.141 081	31,10	24,88
200	34	79	135	10	9.141 085	28,00	22,40
250	34	85	145	10	9.141 082	26,30	29,04
300	34	87	160	10	9.141 086	24,90	27,92
500	34	105	180	10	9.141 083	47,00	37,60
1000	42	131	220	10	9.141 084	74,70	59,76
3000	50	187	310	1	6.270 118	18,40	14,72

LAB Rings, lead



LAB-Rings to stabilise glassware and plasticware on shakers or to immerse in water baths. Vinyl-coated lead rings will not mark or scratch benchtops and labware.

-20%

Type	For flasks ml	Int. diam. mm	PK	Cat. No.	Price	Now
					EUR	EUR
O-Shape	125 - 500	48	1	6.243 010	27,90	22,32
O-Shape	250 - 1000	51	1	6.242 742	30,90	24,72
O-Shape	500 - 2000	57	1	6.243 011	34,80	27,84
O-Shape	1000 - 4000	70	1	7.054 161	44,50	35,60
C-Shape	125 - 500	42	1	9.149 902	25,80	28,64
C-Shape	250 - 1000	51	1	9.149 905	73,50	58,80
C-Shape	500 - 2000	54	1	9.149 906	44,90	35,92
C-Shape	1000 - 4000	66	1	9.149 907	82,10	65,68

LLG-Mortars, porcelain



-20%

Description	Capacity	Ext. diam.	Height	DIN	PK	Cat. No.	Price	Now
	ml	mm	mm				EUR	EUR
rough inside	70	63	41	12906	1	6.227 149	10,90	8,72
rough inside	160	90	56	12906	1	6.243 865	21,90	17,52
rough inside	400	125	71	12906	1	9.164 413	44,50	35,60

LLG-Pestles, porcelain

Description	Head diam.	Length	DIN	PK	Cat. No.	Price	Now
	mm	mm				EUR	EUR
rough	24	115	12906	1	9.164 420	7,95	6,36
rough	30	135	12906	1	6.232 574	9,05	7,24
rough	36	150	12906	1	9.164 421	12,60	10,08

-20%

LLG-Sample Containers, PP, Heavy Duty, with screw cap, PE-HD



- Ideal for collection, transportation and storage.
- Ideally suited for histological samples
- Container made of non-cytotoxic polypropylene
- Very solid quality
- Top and bottom gripping assures easy opening and closing when wearing gloves
- Half-transparency containers
- With graduation and label
- Leak proof

-20%

Capacity	Diam. with cap	Height	Grad. up to	PK	Cat. No.	Price	Now
ml	mm	mm	ml			EUR	EUR
30	37	42	15	1000	6.265 649	116,50	93,20
60	50	40	30	500	6.265 650	83,50	66,80
80	50	60	60	500	6.265 651	90,90	72,72
100	50	77	70	300	6.265 652	64,10	51,28
140	58	80	120	300	6.265 653	71,50	57,20
250	97	58	150	154	6.265 654	102,10	81,68
500	97	112	350	132	6.265 655	113,40	90,72
1000	120	140	700	64	6.265 656	86,40	69,12

Volumetric Trapezoidal flasks, DURAN®, class A, blue graduation

HIRSCHMANN



IN (TD) calibrated. With dated batch identification. Declaration of conformity acc. to DIN 12600. NS ground with poly stopper. Ring mark and graduation in high contrasting blue enamel. According to DIN EN ISO 1042.

**BIG
PACK**



-25%

Capacity	Tolerance	Height	Joint size (NS)	PK	Cat. No.	Price	Now
ml	± ml	mm				EUR	EUR
1	0.025	60	7/16	2	6.290 843	33,80	25,35
2	0.025	70	7/16	2	6.290 844	33,80	25,35
5	0.025	70	7/16	2	6.290 845	33,80	25,35
5*	0.04	70	10/19	2	6.290 846	33,80	25,35
10	0.025	90	7/16	2	6.290 847	33,80	25,35
10*	0.04	90	10/19	2	6.290 848	33,80	25,35
20	0.04	110	10/19	2	6.290 849	26,30	27,23
25	0.04	110	10/19	2	6.290 850	26,30	27,23
50	0.06	140	12/21	2	6.290 851	38,00	28,50

* wide neck.

Measuring Cylinders, borosilicate glass 3.3, tall form, class A, blue graduated



With spout, tall form. BLAUBRAND®. To DIN EN ISO 4788. DE-M marking with works certified batch number. With spout and hexagonal foot. Graduations and inscriptions in highly contrasting blue enamel. Calibrated to contain (IN). All BLAUBRAND® cylinders are delivered with batch number and batch certificate.

**BIG
PACK**

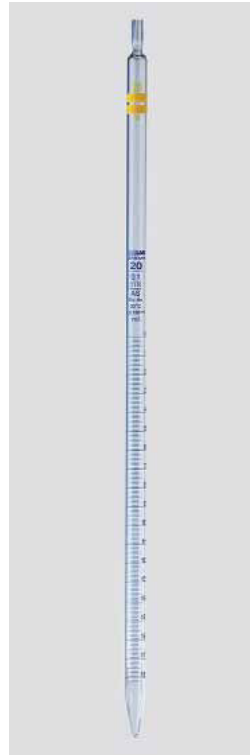


-25%

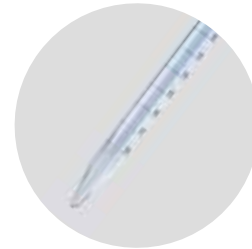
Capacity	Grad.	Tolerance	Height	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
10	0.2	0.10	140	2	6.290 836	17,90	13,43
25	0.5	0.25	170	2	6.290 837	18,90	14,18
50	1	0,5	200	2	6.290 838	20,70	15,53
100	1	0,5	260	2	6.290 839	22,00	16,50
250	2	1,0	335	2	6.290 840	42,60	31,95
500	5	2,5	365	2	6.290 841	72,50	54,38
1000	10	5,0	465	2	6.290 842	113,20	84,90

Graduated Pipettes, soda glass, class AS, blue graduation, type 3

ISOLAB
Laborgeräte GmbH



Soda glass. Conformity-certified. With batch date identification. DIN EN ISO 835, DIN 12699 and BS700 - 1583. Calibrated to deliver (EX). Ring marks and graduations in permanent blue enamel.

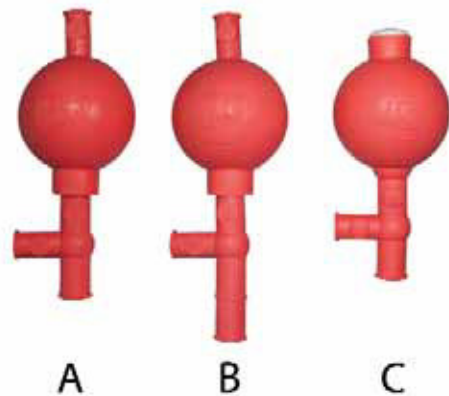


**BIG
PACK**

-25%

Volume	Graduations	Tolerance	Length	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
1	0.01	0.007	360	12	6.290 861	40,80	30,60
2	0.02	0.010	360	12	6.290 862	42,00	31,50
5	0.05	0.030	360	12	6.290 863	48,00	36,00
10	0.1	0.050	360	12	6.290 864	50,40	37,80
20	0.1	0.100	450	12	6.290 865	74,40	55,80
25	0.1	0.100	450	12	6.290 866	95,40	71,55
50	0.1	0.200	720	12	6.290 867	254,40	190,80

LLG-Safety Pipette Bulb, rubber, red



A

B

C

Chemically resistant rubber. With valves for suction, emptying and air release, controlled by thumb and finger pressure.

-20%

Type	Figure	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-Safety pipette bulb, normal	A	1	6.270 265	9,50	7,60
LLG-Safety pipette bulb, universal	B	1	6.270 266	9,90	7,92
LLG-Safety pipette bulb, "Flip"	C	1	6.270 267	8,90	7,12

LABORTOPS

! PROMO !

**Dispenser Tips ritips®
including LLG-uniDISPENS**

10 x 100 ritips®



**+
For free!**



0.05 ml / Standard



1.25 ml / Standard



12.5 ml / Standard



bioclean® steril

Complete sets, consisting of 10 x 100 ritips® and a Serial Dispenser LLG-uniDISPENS

- Dispensertips ritips®:
- Three sizes, standard and bioclean® (sterile).
- Maximum of safety and repeatability as all tips are individually and mechanically tested.
- Bioclean®: sterile, pyrogen free, DNA-, RNase- and ATP-free.
- A quality certificate per lot can be obtained upon request.



- **Made in Germany in double pack**
- **Perfectly matched Quality**

Manual Serial Dispenser LLG-uniDISPENS

The ergonomically designed manual dispenser LLG-uniDISPENS enables single handed volume selection, loading and dispensing. Due to its light weight it is ideally suited for serial dosing. You can flexibly select your desired dosing volume from 120 dosing programs, to 12 tip sizes and with 10 stroke adjustments. You can view all settings and volumes at a single glance through the viewing window of the manual dispenser. The dispenser can be used with a huge variety of different dispenser tips. Thanks to a purely mechanical, maintenance-free construction, the manual dispenser is a practical and convenient device for daily laboratory use. 3 years warranty.

Scope of delivery: 1000 ritips®, packed 10 x 100 pcs, plus Serial Dispenser LLG-uniDISPENS

-15%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Set of 10 x 100 ritips®, 0.05 ml / standard + LLG-uniDISPENS	1	6.272 982	780,00	663,00
Set of 10 x 100 ritips®, 1.25 ml / standard + LLG-uniDISPENS	1	6.272 983	560,00	476,00
Set of 10 x 100 ritips®, 12.5 ml / standard + LLG-uniDISPENS	1	6.272 984	560,00	476,00
Set of 10 x 100 ritips®, 0.05 ml / bioclean® sterile + LLG-uniDISPENS	1	6.272 985	1.430,00	1.215,50
Set of 10 x 100 ritips®, 1.25 ml / bioclean® sterile + LLG-uniDISPENS	1	6.272 986	990,00	841,50
Set of 10 x 100 ritips®, 12.5 ml / bioclean® sterile + LLG-uniDISPENS	1	6.272 987	990,00	841,50