

LABORTOPS

valid until 15th April 2015



**more new products
from page 11 onwards**

Beakers and Flasks	2	Genomics - Eletrophoresis	7	Magnifiers	16
Halfmasks	3	Ground jointed flasks	8	Precision forceps	16
Eye shields	3	Magnetic stirrer	9	Compact balances and accessories	17
Syringe filters	4	Reaction block system	9	Thermometers	18
Chromatography Kits	5	Tubing	10	Lab helpers	19
Inlet Liners	5	LLG Labware Instruments	11-14	Vacuum desiccator cabinets	20
Temperature blocks	6	Centrifuge tubes	15		
Genomics - PCR	6	Pasteur pipettes	15		

Special prices

For more articles see our Laboratory Catalogue from page 13, 18, 22 onwards

Beakers, DURAN®, low form



With approximate graduations and spout. DIN 12331. ISO 3819. With easy-to-read scale and large labelling field for easy marking. In fired-on, highly durable white ceramic. Due to the uniform wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral as per USP, EP and JP. With retrace code (Batch Identification, for all) except 5ml, 10ml and 25ml. Certificate available via the Internet. Autoclavable.

-18%

Capacity	Diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
5*	22	30	1	9.013 007	5.01	4.11
10*	26	35	1	9.013 008	5.65	4.63
25	34	50	1	9.013 014	4.87	3.99
50	42	60	1	9.013 017	4.66	3.82
100	50	70	1	9.013 024	4.60	3.77
150	60	80	1	9.013 029	4.89	4.01
250	70	95	1	9.013 036	4.93	4.04
400	80	110	1	9.013 041	5.90	4.84
600	90	125	1	9.013 048	7.27	5.96
800	100	135	1	9.013 053	9.87	8.09
1000	105	145	1	9.013 054	11.02	9.04
2000	132	185	1	9.013 063	18.31	15.01
3000	152	210	1	9.013 068	23.52	27.49
5000	170	270	1	9.013 073	56.93	46.68

* Without graduations.

Erlenmeyer flasks, DURAN®, wide neck



With approximate graduations and beaded rim. DIN EN ISO 24450. Wide neck. With Retrace Code (Batch Identification), certificate available via the Internet. Uniform wall thickness. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

-20%

Capacity	Bottom diam.	Neck diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
25*	43	31	70	1	9.141 114	5.34	4.27
50	51	34	85	1	9.141 117	5.36	4.29
100	64	34	105	1	9.141 124	5.24	4.19
200	79	50	131	1	9.141 132	5.70	4.56
250	85	50	140	1	9.141 136	5.57	4.46
300	87	50	156	1	9.141 139	6.73	5.38
500	105	50	175	1	9.141 144	7.56	6.05
1000	131	50	220	1	9.141 154	12.11	9.69
2000*	153	72	276	1	9.141 163	20.65	16.52

* Not to DIN.

Beakers, DURAN®, tall form



With approximate graduations and spout. DIN 12331. ISO 3819. With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. Due to the uniform wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

-18%

Capacity	Diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
50	38	70	1	9.013 117	4.70	3.85
100	48	80	1	9.013 124	4.74	3.89
150	54	95	1	9.013 129	5.05	4.14
250	60	120	1	9.013 136	5.22	4.28
400	70	130	1	9.013 141	6.19	5.08
600	80	150	1	9.013 148	7.54	6.18
800	90	175	1	9.013 153	10.56	8.66
1000	95	180	1	9.013 154	11.61	9.52
2000	120	240	1	9.013 163	20.19	16.56
3000	135	280	1	9.013 168	42.77	35.07

Graduated jugs, PP, moulded blue graduations



Highly transparent. With easily readable, raised, embossed blue scale and stable, easy-grip handle. To preserve markings, do not clean at temperatures exceeding 60°C.

Conditionally autoclavable at 121°C (2 bar) according to DIN EN 285. Food-safe (suitable for contact with food according to EC Directive No. 10/2011).

-30%

Capacity	Grad.	Diam.	Height	PK	Cat. No.	Price	Now
ml	ml	mm	mm			EUR	EUR
50	2	40	70	1	9.275 772	1.48	1.04
100	2	50	80	1	9.275 773	1.62	1.13
250	5	70	120	1	9.275 748	2.59	1.81
500	10	91	133	1	9.275 775	2.93	2.05
1000	10	116	170	1	9.275 776	3.93	2.75
2000	20	150	215	1	9.275 777	6.84	4.79
3000	50	170	242	1	9.275 778	9.45	6.62
5000	100	210	270	1	9.275 779	13.38	9.37

For more articles see our Laboratory Catalogue from page 186, 201, 237 onwards

LLG-Safety eye shields "Basic"



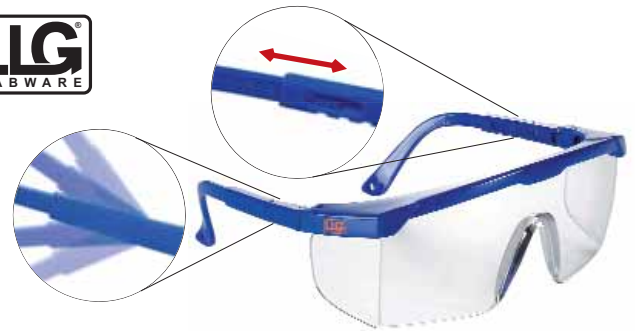
Value pack of 10 glasses

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

-15%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
Clear	Clear, uncoated	10	9.006 002	16.24	13.80

LLG-Safety eye shields "Classic"



- CE approved to EN166 and EN170
- Integrated sideshields, 180° visual field
- Frame made of tested hypo-allergenic material
- Temples adjustable in length and inclination
- 100% UV protection (up to 380 nm)
- Weight: 34 g only

Volume Discounts Apply

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
Blue	Clear, anti-scratch lens	1	9.006 001		3.25

Halfmask, Serie 4000 Plus, ready to use



The 4000 Series Respirators by 3M™ are a range of ready-to-use, maintenance-free half masks with built in filters designed for effective and comfortable protection against a combination of many gases, vapours and particulate hazards found throughout the industry. A unique filter technology enables a very low-profile design for undisturbed field of vision to make your worklife more comfortable.

Features and Benefits:

- Low profile design for better peripheral vision
- Lightweight, well balanced design
- Soft, non-allergenic material with textured face seal
- One piece, maintenance-free construction
- Central position of the exhalation valve for effective removal of heat and moisture build up within face piece
- Easy to fasten neck strap
- Use until damaged, particulate filters clog or gas filters become saturated

-20%

Type	Protection-level	Usage restrictions	PK	Cat. No.	Price	Now
					EUR	EUR
4251	FFA1P2 R D	12 x TLV	1	6.072 615	24.29	19.43
4255	FFA2P3 R D	50 x TLV	1	6.802 700	30.43	24.34
4277	FFABE1P3 R D	50 x TLV	1	6.202 909	33.24	26.59
4279	FFABEKP3 R D	50 x TLV	1	6.073 056	37.26	29.81

LLG-Overall tritex® pro white, Type 5/6

Particle-tight, and to a limited extent spray-tight chemical protective clothing



The coverall made of 3-layer SMS material (spunbond-meltblown-spunbond) is robust and breathable. A meltblown filter membrane is embedded between two durable outer layers. Comfortable to wear, this coverall is a pleasant, protective companion in many work areas. Special features are the hood, the zipper cover strip, the back rubber element, and the arm and leg rubber elements.

Cat. III/CE0321/Type 5/6

Coverall individually packed!



special offer!

-10%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
M	25	6.262 285	69.84	61.96
L	25	9.413 245	69.84	61.96
XL	25	9.413 246	69.84	61.96
XXL	25	9.413 247	69.84	61.96

Highest quality at a great price!

For more articles see our Laboratory Catalogue from page 706 onwards

Syringe filter CHROMAFIL™, Cellulose mixed ester (MV)



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



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
25	0.20	PP-yellow/yellow	100	9.049 030	106.44	95.80
25	0.20	PP-yellow/yellow	400	9.049 031	320.07	288.05
25	0.45	PP-colourless/yellow	100	9.049 032	78.38	70.54
25	0.45	PP-colourless/yellow	400	9.049 033	360.07	324.06

Syringe filter CHROMAFIL™, Glass-fibre (GF)



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



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
25	1.00	PP-yellow/black	100	9.049 078	78.38	70.54

Syringe filter CHROMAFIL™, Polyamide/Nylon (PA)



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



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
25	0.20	PP-yellow/green	100	9.049 049	106.44	95.80
25	0.20	PP-yellow/green	400	9.049 050	360.07	324.06
25	0.45	PP-colourless/green	100	9.049 051	96.91	87.22
25	0.45	PP-colourless/green	400	9.049 052	384.88	356.39

Syringe filter CHROMAFIL™, regenerated Cellulose (RC)



Hydrophilic membrane with very low adsorption for aqueous and organic/aqueous liquids i.e. polar and medium polar sample solutions. Binding capacity for proteins 84µg/25mm filter.



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
25	0.20	PP-yellow/blue	100	9.049 042	94.62	85.16
25	0.20	PP-yellow/blue	400	9.049 043	360.07	324.06
25	0.45	PP-colourless/blue	100	9.049 044	78.38	70.54
25	0.45	PP-colourless/blue	400	9.049 046	320.49	288.44

Syringe filter CHROMAFIL™, Cellulose acetate (CA)



Hydrophilic membrane
For filtration of water-soluble oligomers and polymers, especially suited for biological macromolecules. Very high shape stability in aqueous solutions extremely low binding capacity for proteins (21µg/ 25mm filter). Available in a sterile package for filtration under sterile conditions (each filter individually sealed) upon request.



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
25	0.20	PP-yellow/red	100	9.049 038	78.38	70.54
25	0.20	PP-yellow/red	400	9.049 039	360.07	324.06
25	0.45	PP-colourless/red	100	9.049 040	78.38	70.54
25	0.45	PP-colourless/red	400	9.049 041	360.07	324.06

Syringe filter CHROMAFIL™, Polyester (PET)



Hydrophilic multipurpose membrane
For polar as well as non-polar solvents. The HPLC filter, especially suited for mixtures of water and organic solvents; for TOC/DOC determination; not cytotoxic, does not inhibit the growth of microorganisms and higher cells. Polyester filter with integrated glass fibre prefilter (GF/PET): recommended for solutions with a high load of particulate matter or for highly viscous solutions.



-10%

Filter diam.	Pore size	Housing	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
15	0.20	PP-yellow/orange ¹⁾	100	9.049 065	78.38	70.54
15	0.45	PP-colourless/orange ¹⁾	100	9.049 066	88.17	79.35
25	0.20	PP-yellow/orange	100	9.049 067	78.38	70.54
25	0.20	PP-yellow/orange	400	9.049 068	384.88	356.39
25	0.45	PP-colourless/orange	100	9.049 069	78.38	70.54
25	0.45	PP-colourless/orange	400	9.049 070	384.88	356.39
25	1.0/0.20	PP-black/orange ²⁾	100	9.049 079	120.48	116.53
25	1.0/0.45	PP-black/orange ²⁾	100	9.049 080	105.21	94.69

¹⁾ with mini tip outlet

²⁾ with glass-fibre prefilter

For more articles see our Laboratory Catalogue from page 1381, 1470 onwards

LLG-2in1 Chromatography Kits

practical and efficient



2in1 kits contain 100 vials and 100 closures in a blue 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, recloseability of the packaging, etc.) remain unchanged.

Bottle volume: 1.5ml

Any other combination of vial and seal as a 2in1 kit available.

with Screw Neck Vials ND8 (small opening) **-25%**

Description	Cover type	PK	Cat. No.	Price	Now
				EUR	EUR
clear	Screw Cap, black, hole, Silicon white / PTFE red	100	6.238 965	26.55	19.91
amber	Screw Cap, black, hole, Silicon white / PTFE red	100	9.003 557	28.14	21.11
amber, labelling field	Screw Cap, black, hole, Silicon white / PTFE red	100	9.003 558	28.72	21.54
clear, labelling field	Screw Cap, black, hole, Silicon white / PTFE red	100	9.003 559	28.31	21.23

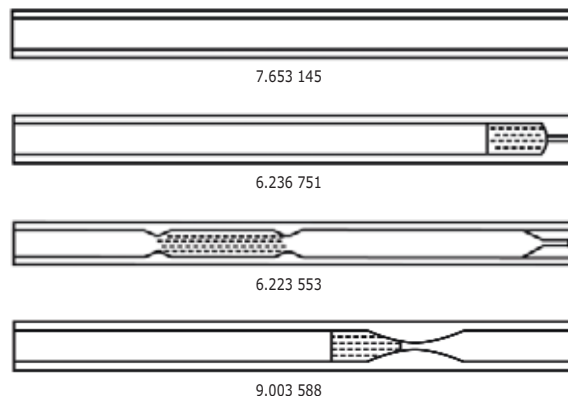
with Short Thread Vials ND9 (wide opening) **-25%**

Description	Cover type	PK	Cat. No.	Price	Now
				EUR	EUR
clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	26.05	19.54
clear	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	7.621 765	32.69	24.52
clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	25.30	18.98
clear	Short Thread Cap, transparent, hole, natural rubber / PP red-orange	100	7.620 724	18.69	14.02
clear, labelling field	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	9.003 562	35.04	26.28
clear, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	7.970 892	25.79	19.34
amber, labelling field	UltraBond Short Thread Cap, blue, hole, Silicon beige / PTFE white, slitted	100	9.003 563	43.27	32.45

with Crimp Neck Vials ND11 (wide opening) **-25%**

Description	Cover type	PK	Cat. No.	Price	Now
				EUR	EUR
clear	Crimp Cap, silver, hole, Natural Rubber red-orange / TEF transparent	100	6.257 139	15.13	11.35
clear	Crimp Cap, silver, hole, Natural Rubber / Butyl red-orange / TEF transparent	100	9.003 564	14.47	10.85
clear, labelling field	Crimp Cap, silver, hole, Natural Rubber / Butyl red-orange / TEF transparent	100	9.003 565	15.52	11.64
amber, labelling field	Crimp Cap, silver, hole, Natural Rubber red-orange / TEF transparent	100	9.003 566	16.28	12.21
clear	UltraClean Crimp Cap, silver, hole, Silicon white / PTFE red	100	6.238 979	27.31	20.48

Inlet Liner for GC



Liners come individually packed complete with instrument appropriate o-rings and sealing rings. Each pack is supplied with quality test results.

for Shimadzu GC **-30%**

Description	Ext. diam. mm	Int. diam. mm	PK	Cat. No.	Price	Now
					EUR	EUR
Split / Splitless Tapered FocusLiner™	5.0	3.4	5	6.228 225	254.60	178.22
Split, Straight-through Liner	5.0	3.4	5	6.265 473	126.04	88.23
Split / Splitless with Single Taper	5.0	3.4	5	6.265 474	281.83	197.28
Split / Splitless with middle gooseneck	5.0	3.4	5	6.265 475	132.21	92.55

Special price!

for Thermo GC **-30%**

Description	Ext. diam. mm	Int. diam. mm	PK	Cat. No.	Price	Now
					EUR	EUR
Split FocusLiner™	8.0	5.0	5	6.265 466	223.81	156.67
Splitless FocusLiner™	8.0	5.0	5	6.265 467	266.44	186.51
Splitless with Single Taper	8.0	5.0	5	6.265 468	222.62	155.83
Splitless, Straight-through Liner	8.0	3.0	5	6.265 469	149.51	104.66
Split, Straight-through Liner	8.0	5.0	5	6.265 470	175.26	122.68
Trace 2000 PTV Liner	2.8	1.75	5	6.630 911	284.20	198.94

Special price!

for Agilent GC **-30%**

Description	Ext. diam. mm	Int. diam. mm	PK	Cat. No.	Price	Now
					EUR	EUR
Split, Straight-through Liner	6.3	4.0	5	7.653 145	111.21	77.85
Split, with Quartz wool	6.3	4.0	5	9.003 576	123.57	86.50
Split / Splitless with Single Taper (Quartz Wool)	6.3	4.0	5	6.236 751	154.46	108.12
Split/Splitless Focus Liner	6.3	4.0	5	6.223 552	154.46	108.12
Split/Splitless Focus Liner	6.3	4.0	25	6.239 332	680.00	476.63
Split/Splitless Tapered Focus Liner	6.3	4.0	5	6.223 553	221.44	155.01
Split/Splitless Tapered Focus Liner	6.3	4.0	25	9.003 572	879.84	615.89
Split/Splitless FAST Focus Liner	6.3	2.3	5	6.223 554	185.01	130.14
Split/Splitless Tapered FAST Focus Liner	6.3	2.3	5	9.003 586	219.07	153.35
Split/Splitless Recessed Gooseneck (Quartz Wool)	6.3	4.0	5	9.003 588	154.46	108.12
ConnecTite Liner Bottom Hole	6.3	4.0	5	9.003 587	277.75	264.43



LLG-Temperature block "exact", aluminium, for cryogenic tubes with rim, single-handed operation

Practical one-hand operation

unique cooling solution



Simultaneous single-handed operation and cooling of cryogenic vials

The cryogenic tubes are fixed in the cavities with a pin so that they can be opened and closed with one hand. Suitable for most cryogenic tubes with rim or notch such as LLG Labware. Cryogenic tubes are cooled by uniform temperature distribution in the block, ideal for temperature-critical work. The closed bottom of the block provides a much better temperature distribution and temperature accuracy over the block compared to blocks with open bottom. Made of a special aluminium alloy with high thermal conductivity. Thus, the block has identical temperature conditions for all samples.

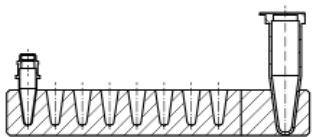
-17%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
25 x 2.0ml Cryogenic tubes with tripod rim	1	9.409 007	114.74	95.23

LLG-Temperature block "exact", aluminium



Perfect fit



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

Aluminium blocks with conical compartments and closed bottom for easy and precise tempering of reaction tubes and PCR tubes. The precisely adapted shape of the borings and the closed bottom offer advantages compared with cylindrical drilled blocks with open bottom such as much better heat transfer and temperature accuracy. Made of a special aluminium alloy with high thermal conductivity. Identical temperature conditions for all samples. Compact size, requiring little space. Suitable for 96-well plates, 8 or 12 strips and single tubes. Ideal for working with 8- or 12-channel pipettes. Blocks for different tube sizes and combinations of tube sizes as indicated, all working steps in one block, holes closed at the bottom and tapered to fit perfectly the respective tube sizes and offer an optimum heat exchange.

-17%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-aluminum block, 96 x 0.2ml PCR tubes + 6 x 1.5ml tubes	1	9.409 015	127.10	105.49
LLG-aluminum block, 36 x 0.5ml tubes + 11 x 1.5ml tubes	1	9.409 016	118.62	98.45
LLG-aluminum block, 24 x 1.5ml tubes	1	9.409 017	112.09	93.03
LLG-aluminum block, 24 x 2.0ml tubes	1	9.409 018	115.80	96.11
LLG-aluminum block, 25 x 2.0ml Cryogenic tubes with round bottom	1	9.409 006	114.74	95.23
LLG-aluminum block, 12 x 15.0ml Centrifuge tubes	1	9.409 008	114.74	95.23

LLG-PCR-Tubes, 8 Strips, PP

- For 0.2ml thermal cycler blocks, and 96-well v-bottom thermal cyclers
- made of virgin polypropylene, certified RNase, DNase and endotoxin free
- consistent wall thickness for uniform heat transfer
- highly transparent cap makes them ideal for qPCR/Real Time PCR
- contamination-free opening
- cap strips provide tight seal during all PCR cycles
- maximum tube capacity: 0.25ml when capped



-20%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
8 PCR tube strips plus detached cap strips, domed caps	250	9.407 503	243.11	194.49
8 PCR tube strips plus detached cap strips, flat caps	250	9.407 514	255.78	204.62
8 PCR detached cap strips, flat caps	120	6.254 729	35.02	28.02
8 PCR detached cap strips, domed caps	120	9.407 522	23.16	18.53

LLG-96-well PCR Plates, PP

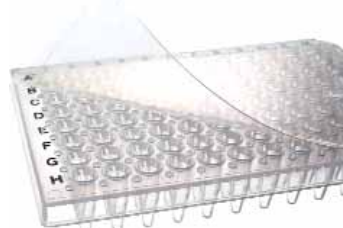


- compatible with leading thermal cyclers
- cut-away corner for easy orientation
- clear well bottom for sample visibility, with V-Bottom
- consistent wall thickness for uniform heat transfer
- holes in the skirt for easy handling
- made of virgin polypropylene, certified RNase, DNase and endotoxin free

-17%

Description	Capacity	PK	Cat. No.	Price	Now
	µl			EUR	EUR
with frame, low profile	200	25	9.407 507	106.18	88.13
without frame	300	25	6.238 061	59.38	41.82

LLG-PCR adhesive film and foil



For use in cyclers with screw-down or clip-down lids. With end tabs.

PCR Film: Suitable for fluorescence measurements.
PCR Foil: Easy Piercable without adhesive on the pipette tips.

-17%

Description	Temp. range	PK	Cat. No.	Price	Now
	°C			EUR	EUR
PCR film	-20 to +120	100	6.238 132	115.62	95.96
PCR foil	-80 to +150	100	9.407 506	81.61	67.74

For more articles see our Laboratory Catalogue from page 1235, 1240, 1243 onwards

Gel electrophoresis tank multiSUB™ Choice



Special price!

Ideal for restriction fragment analysis, sample prep or checking of high number of samples. The multiSUB choice offers a high degree of versatility. Gel casting is easy by using casting dams.
 - colour coded combs 0.75/1.0 /1.5/2.0mm
 - low buffer volume: 500ml
 - injection moulded construction: durable, leakproof environment for complete safety and long life

Supplied with:
 MSCHOICE15: multiSUB™ Choice, 15 x 15cm UV Tray, 2 x 20 sample combs, loading guides, electrodes and dams.
 MSCHOICETRIO: multiSUB™ Choice Trio, 15 x 7, 10 & 15cm UV Tray, 2 x 20 sample combs, loading guides, electrodes and dams.

Specifications

Unit dimensions (w x l x h): 26.5 x 17.5 x 9cm
 Max. sample: 15 x 7cm Tray - 70 Samples
 15 x 10cm Tray - 140 Samples
 15 x 15cm Tray - 210 Samples
 Buffer volume: 500ml

-22%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
MSCHOICE15	multiSUB™ Choice 15	1	9.584 651	330.42	257.73
MSCHOICETRIO	multiSUB™ Choice Trio	1	6.239 273	379.36	295.90

Thermal cyclers biostep® PRIME/ PRIMEG



- High throughput Thermal cycler - perfect for a high sample throughput
- Gradient function
 - Upgrade from PRIME to PRIMEG
 - 5.7" colour touch screen with graphical display
 - fast heating and cooling rates, temperature from 100°C to 115°C, with ON/OFF switch and automatic switch off against overheating
 - height-adjustable and heatable lid
 - 1000 programs storable
 - Auto-Restart function
 - USB port
 - 4 years warranty for the Prime Thermal cycler

Specifications

Block temperature: +4°C to +100°C
 Temperature gradient (PRIME only with upgrade): +30°C to +80°C
 Max. Gradient: +29°C
 Block uniformity at 55°C: <±0.3°C
 Max. Heating rate: 3.4°C/s
 Dimensions (WxDxH): 240 x 420 x 240mm

-10%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
PRIME	incl. block for 96 x 0.2ml tubes and 96well PCR plates	1	9.595 509	6,158.74	5,542.84
PRIMEG	incl. block for 96 x 0.2ml tubes and 96well PCR plates	1	9.595 512	7,033.17	6,329.85

Purchase of this instrument conveys a limited non-transferable immunity for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

Agarose for gel electrophoresis

Special price!



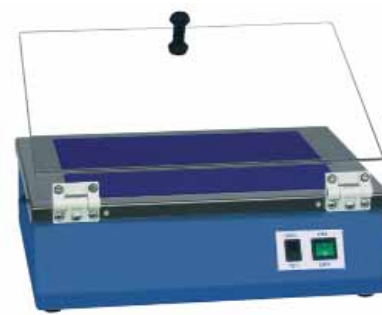
Specifications

CAS: 9012-36-6
 Appearance: White to off-white powder
 EEO: <0.13
 Gelling Point: 36°C ±1.5°C (1.5 % gel)
 Melting Point: 88°C ±1.5°C (1.5 % gel)
 Solubility: Clear, colourless solution at 1g in 100ml water
 Moisture: ≤10%
 Gel Strength: >1200 g/cm² (1% Gel)
 Sulphate: ≤0.20%
 DNase, RNase, Protease, Endonuclease: None Detected

-20%

Type	Capacity	PK	Cat. No.	Price	Now
				EUR	EUR
CSL-AG100	100 g	1	9.584 695	41.29	33.03
CSL-AG500	500 g	1	9.584 696	191.84	153.47

Compact UV transilluminators



- Compact design (34 x 28cm)
- Metal housing, with stainless steel filter frame and "long life" filter
- BECXF models have intensity selector (Hi/L0)
- Filter size: 200 x 200mm
- Tubes: 8W

-15%

Type	Description	Wave-length nm	No. of Tubes	PK	Cat. No.	Price	Now
						EUR	EUR
BECXF-20.M	Hi / Lo Intensity	312	6	1	9.971 910	1,123.77	955.20
BTCP-20.MC	Multi-band	254 / 312	5 / 6	1	9.971 913	1,202.94	1,022.50

Round bottom flasks, ground glass joint, DURAN®



Acc. to DIN 4797.



-15%

Capacity	Socket	Flask diam.	PK	Cat. No.	Price	Now
ml	NS	mm			EUR	EUR
10	14/23	35	1	9.011 801	3.82	3.25
25	14/23	41	1	9.011 802	4.12	3.54
50	14/23	51	1	9.011 805	4.72	4.01
50	29/32	51	1	9.011 835	4.56	3.88
100	14/23	64	1	9.011 810	5.55	4.72
100	29/32	64	1	9.011 840	5.36	4.56
250	14/23	85	1	9.011 815	12.00	10.20
250	29/32	85	1	9.011 845	9.28	7.89
500	29/32	105	1	9.011 850	11.85	10.07
1000	29/32	131	1	9.011 855	15.46	13.14

Flat bottom flasks, ground glass joint, DURAN®



Acc. to DIN EN ISO 4797. With standard ground sockets acc. to DIN 12242.



-15%

Capacity	Socket	Flask external diam.	Flask diam.	PK	Cat. No.	Price	Now
ml	NS	mm	mm			EUR	EUR
50	29/32	90	51	1	9.011 982	4.78	4.06
100	29/32	100	64	1	9.011 983	5.36	4.56
250	29/32	130	85	1	9.011 984	9.65	8.20
500	29/32	155	105	1	9.011 985	13.18	11.20
1000	29/32	190	131	1	9.011 986	18.91	16.07

Up to 100ml made of DURAN® tubing.

Clips for joints, POM



Manufactured from POM and has excellent chemical resistance as well as a very good mechanical strength. They are perfect tools to join two ground joints.



Volume Discounts Apply

NS	Colour	PK	Cat. No.	Now
				EUR
10/19	black	1	4.008 347	1.62
12/21	purple	1	4.008 348	1.87
14/23	yellow	1	4.008 349	1.87
19/26	blue	1	4.008 350	1.87
24/29	green	1	4.008 351	2.12
29/32	red	1	4.008 352	2.12

Erlenmeyer flasks, ground glass joint, DURAN®



Acc. to DIN EN ISO 4797.



-15%

Capacity	Socket	Flask diam.	PK	Cat. No.	Price	Now
ml	NS	mm			EUR	EUR
25	14/23	42	1	9.012 001	6.22	5.37
50	14/23	51	1	9.012 002	6.53	5.55
50	29/32	51	1	9.012 012	6.42	5.46
100	14/23	64	1	9.012 003	6.69	5.69
100	29/32	64	1	9.012 013	5.70	4.85
200	29/32	79	1	9.012 017	6.59	5.60
250	29/32	85	1	9.012 014	6.73	5.72
250	45/40	85	1	9.012 006	12.49	10.62
300	29/32	87	1	9.012 018	7.25	6.16
300	45/40	87	1	9.012 007	12.80	11.73
500	29/32	105	1	9.012 015	8.32	7.11
500	45/40	105	1	9.012 008	14.65	12.45
1000	29/32	131	1	9.012 016	13.69	11.64
1000	45/40	131	1	9.012 009	20.49	17.42
2000	29/32	166	1	9.012 019	28.98	24.63
2000	45/40	166	1	9.012 010	31.84	27.06

Pear shape flasks, ground glass joint, DURAN®



Acc. to DIN 12383.



-20%

Capacity	Socket	Flask diam.	PK	Cat. No.	Price	Now
ml	NS	mm			EUR	EUR
10	14/23	33	1	9.012 021	4.12	3.30
25	14/23	42	1	9.012 022	4.04	3.23
50	14/23	51	1	9.012 023	5.10	4.08
100	14/23	64	1	9.012 024	6.34	5.07

Glass beads

Made of AR lime soda glass. Supplied in packs of approx. 1kg.

-35%

Ø	PK	Cat. No.	Price	Now
mm			EUR	EUR
1.5 - 2	1	9.012 402	8.76	5.69
3	1	9.012 403	8.76	5.69
4	1	9.012 404	9.55	6.21
5	1	9.012 405	9.55	6.21
6	1	9.012 406	9.55	6.21
8	1	9.012 407	11.29	7.34
10	1	9.012 408	10.85	7.05

For more articles see our Laboratory Catalogue from page 418, 444 onwards

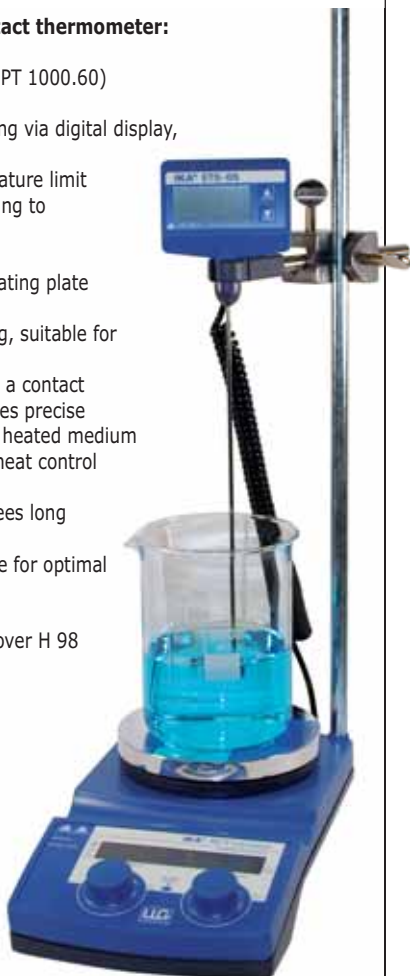
Set: RCT standard safety control package incl. ETS-D5 and stand accessories

Magnetic stirrer with digital contact thermometer:

- integrated temperature control
- incl. PT 1000 temperature sensor (PT 1000.60) + ETS-D5
- exact temperature and speed setting via digital display, even when switched off
- digital display of set safety temperature limit
- hot top indicator, hot surface warning to prevent burns
- digital error code display
- with adjustable safety circuit of heating plate temperature (+50 to +360°C)
- safety magnetic stirrer with heating, suitable for unsupervised operation
- DIN 12878 connector for attaching a contact thermometer, e.g. ETS-D5; enables precise temperature control directly in the heated medium
- enhanced safety due to improved heat control technology
- enclosed assembly (IP42) guarantees long service life
- highly polished, aluminium hotplate for optimal heat transfer
- improved magnetic coupling
- supplied with housing protection cover H 98

Package price!

beaker not included



Specifications

Stirring quantity (H₂O): 20 litres
 Motor rating input/output: 16/9W
 Speed display: digital
 Speed range: 50 to 1500rpm
 Max. magnetic bar (L x diam.): 80 x 10mm

Heating function

Temperature display: digital
 Heat output: 600W
 Heating rate (1 litre H₂O in H 15): 6.5K/min
 Temperature range: RT to 310°C
 Setting accuracy: ±1K
 Temp. variation without temp. sensor: ±2K
 Adjustable safety circuit: 50 to 360°C
 Control accuracy with sensor: PT 1000/±1K
 ETS-D5/±0.5K

Heating plate

Material: aluminium alloy
 Dimensions: 135mm diam.

General data

Dimensions (WxDxH): 160 x 270 x 85mm
 Weight: 2.5kg
 Operating temperature range: 5 to 40°C
 Operating humidity range: 80% R.H.
 Protection class acc. to DIN EN 60529: IP42

-30%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
RCT standard safety control package incl. ETS-D5 and stand accessories	1	9.720 258	873.04	611.13

LLG-Universal reaction block system for magnetic stirrers



Universal alternative to oil bath



The reaction block allows syntheses to be carried out in round flasks at temperatures of up to 250°C. As a result, oil as a heat transfer media, is made redundant and your lab is a safer place with this system. The reaction block ensures safety at work and preventing oil baths and heating mantles from overheating in your lab. The messy oil clean-ups that results from changing oil or removing flasks from an oil bath will be eliminated. Injuries and burns from hot oil will never happen again. Uniform mixing is also guaranteed because there is no interference to the magnetic field from the aluminium blocks. This system ensures optimal heat transfer from the heating plate directly into the medium.

- **Universal model**
- **For round plates of 135 to 145mm diameter**
- **With adapter plate for all square plates of min. 145mm length side**

- Reaction blocks are available in 5 standard sizes.
- Delivered adapter allows for use with either IKA or Heidolph magnetic stirrers.
- Syntheses in round flasks without oil bath up to 250°C.
- Uniform and constant mixing
- High-precision thermal conduction directly into the reaction block
- Safe and clean working
- Made in Germany

-15%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Universal reaction block system 50ml	1	9.728 890	125.03	106.28
LLG-Universal reaction block system 100ml	1	9.728 891	126.92	107.88
LLG-Universal reaction block system 250ml	1	9.728 892	128.81	109.49
LLG-Universal reaction block system 500ml	1	9.728 893	131.65	111.90
LLG-Universal reaction block system 1000ml	1	9.728 897	209.97	178.47
Spare adapter ring for reduction from 145mm to 135mm, for attachment 50 to 500ml	1	9.728 894	23.04	19.58
Adapter plate for rectangular hotplates, for attachment 50 to 500ml	1	9.728 895	40.04	34.03

Versilic® silicone tubing

Special price!



Pure silicone with high-grade properties. Suitable for food use to FDA, BGA and EU guidelines. Temperature range from -60 to +200°C (up to +220°C for short periods). Transparent to translucent. Shore A 62 ±5. Density 1.16. Biologically neutral. Supplied per metre or in standard coils of 25m.

Volume Discounts Apply

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.	Price EUR	Now EUR
0.50	2.5	1.00	1	9.205 300	1.02	1.02
1.00	3.0	1.00	1	9.205 301	1.02	1.02
2.00	4.0	1.00	1	9.205 302	1.31	1.31
3.00	5.0	1.00	1	9.205 303	1.33	1.33
4.00	6.0	1.00	1	9.205 304	1.43	1.43
5.00	7.0	1.00	1	9.205 305	1.65	1.65
6.00	10.0	2.00	1	9.205 275	3.44	3.44
7.00	11.0	2.00	1	9.205 306	3.85	3.85
8.00	12.0	2.00	1	9.205 285	3.89	3.89
9.00	13.0	2.00	1	9.205 307	4.27	4.27
10.00	14.0	2.00	1	9.205 308	4.58	4.58
12.00	17.0	2.50	1	9.205 309	6.73	6.73

Iso-Versinic Tubing

Special price!



Synthetic fluoroelastomer. Impermeable to gas and steam. Shore A, hardness see table below. Density 1.9. Temperature range -20°C to +200°C (up to +300°C for short periods). Supplied per metre.

-25%

Int. diam. mm	Ext. diam. mm	Wall thickness mm	Shore	PK	Cat. No.	Price EUR	Now EUR
1	3	1.00	67	1	9.205 700	3.98	2.99
2	4	1.00	67	1	9.205 701	4.54	3.41
3	5	1.00	67	1	9.205 702	5.99	4.43
4	6	1.00	67	1	9.205 703	6.86	5.15
5	8	1.50	72	1	9.205 704	13.03	9.77
6	9	1.50	72	1	9.205 705	14.19	10.64
7	10	1.50	72	1	9.205 706	16.26	12.20
8	12	2.00	72	1	9.205 707	24.34	18.26
10	14	2.00	72	1	9.205 708	29.04	21.78
12	17	2.50	72	1	9.205 709	42.42	31.82

Tygon® tubing R3603

Special price!



Clear, transparent, Shore A 55. Temperature range -50 to +74°C. Also suitable for peristaltic pumps. Supplied per metre or in standard coils of 15m.

-20%

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.	Price EUR	Now EUR
0.80	2.4	0.80	1	9.205 515	1.46	1.17
1.60	3.2	0.80	1	9.205 536	1.53	1.22
1.60	4.8	1.60	1	9.205 537	2.82	2.26
2.40	4.0	0.80	1	9.205 550	1.78	1.42
2.40	5.6	1.60	1	9.205 551	3.55	2.84
3.20	4.8	0.80	1	9.205 561	2.17	1.74
3.20	6.4	1.60	1	9.205 562	4.21	3.37
4.00	5.6	0.80	1	9.205 564	2.52	2.02
4.00	7.2	1.60	1	9.205 566	4.39	3.51
4.80	6.4	0.80	1	9.205 568	2.82	2.26
4.80	8.0	1.60	1	9.205 567	5.41	4.33
4.80	9.6	2.40	1	9.205 569	8.45	6.76
4.80	11.0	3.20	1	9.205 570	11.22	8.98
6.40	8.0	0.80	1	9.205 575	3.50	2.80
6.40	9.6	1.60	1	9.205 576	6.21	4.97
6.40	11.2	2.40	1	9.205 577	9.74	7.79
6.40	12.8	3.20	1	9.205 578	12.31	9.85
8.00	11.2	1.60	1	9.205 583	7.46	5.97
8.00	12.8	2.40	1	9.205 584	10.56	8.45
8.00	14.2	3.20	1	9.205 585	12.72	10.18
8.00	16.0	4.00	1	9.205 586	17.05	13.64
9.50	12.7	1.60	1	9.205 588	8.89	7.04
9.50	14.3	2.40	1	9.205 589	10.89	8.71
9.50	15.7	3.20	1	9.205 590	14.92	11.94
11.10	14.3	1.60	1	9.205 591	9.82	7.86
11.10	15.9	2.40	1	9.205 592	12.69	10.14
11.10	17.5	3.20	1	9.205 593	16.05	12.84
12.70	15.9	1.60	1	9.205 595	10.15	8.12
12.70	17.5	2.40	1	9.205 596	13.82	11.06
12.70	19.1	3.20	1	9.205 597	17.89	14.30
12.70	20.7	4.00	1	9.205 598	23.02	18.42
15.90	22.3	3.20	1	9.206 524	21.11	16.89
19.20	27.2	4.00	1	9.206 545	29.83	23.86

Messfix tubing gauge, PP

schuett-biotec.de



For rapid measurement of internal and external diameters of tubing. Colour: red. Measuring range 1.5mm to 16mm.

-20%

Width mm	Length mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
50	120	12	1	9.205 800	6.23	4.98

Innovation at an attractive price



New Products Added To Our Instrument Range



3-Year Warranty



Simple and inexpensive

A reasonably priced magnetic stirrer without heating for volumes up to 1000ml. Adjustable speed from 0-2000rpm. Plate diameter 120mm. Body made of ABS.

Support rod, aluminium (Cat. No. 6.263 435) available as an optional accessory.

Specifications

Stirring quantity (H ₂ O):	1000ml
Speed range:	0 to 2000rpm
Permissible ambient temperature:	0~50°C
Permissible relative moisture:	85%
Dimensions (WxDxH):	150 x 135 x 53mm
Material:	ABS case
Weight:	0.5kg
Power supply:	100 - 230 V
Protection class:	IP 21
Guarantee:	3 years



Compact and powerful

Compact test tube shaker with brushless motor drive and touch function. Adjustable speed control up to 4500rpm for excellent mixing results in a very short time. Especially for small volumes.

Specifications

Type of movement	orbital/circular motion
Orbit	4.5mm
Speed range:	0 - 4500rpm
Permissible ambient temperature:	5 - 40°C
Permissible relative moisture:	<80%
Dimensions (WxDxH):	100 x 100 x 70mm
Weight:	0.55kg
Power supply:	100 - 240V, 50/60Hz
Protection class:	IP 43
Guarantee:	3 years

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
uniSTIRRER 2 with EU-plug	1	6.263 430	65.31	58.78
uniSTIRRER 2 with UK-plug	1	6.263 431	65.31	58.78
Support rod, aluminum	1	6.263 435	6.61	5.95

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
uniTEXER 1 with EU-plug	1	6.263 490	124.11	111.70
uniTEXER 1 with UK-plug	1	6.263 491	124.11	111.70



With timer and digital display

Compact microcentrifuge with excellent price-performance ratio and a performance of up to 15,595xg. Microprocessor controlled brushless motor for speeds up to 15,000rpm.

Aluminium rotor for 12 x 1.5/2ml tubes with optimised aerodynamics which minimise heat generation and noise during use. Large LCD readout with intuitive and user-friendly interface. Integrated imbalance-detection with automatic shutdown. Wide suction feet provide a stable base.

The centrifuge can be controlled via computer by using the included software that can store up to 99 user-defined programmes. Operational record output to Excel.

Item consists of:

- Centrifuge with rotor for 12 x 1.5/2ml tubes
 - Power supply with USB cable
 - 12 Adapters for 0.4/0.5ml tubes
 - 12 Adapters for 0.2ml tubes
 - Allen wrench with T handle
 - Software CD
 - User manual
- Optional:
- Rotor (Cat. No. 6.263 535) for 16 x 0.2ml tubes or 2 x 8 PCR-strips

Specifications

Motor:	brushless DC motor
Max. Speed:	variable 500 to 15000rpm
Accuracy Speed:	±100rpm
Max. RCF:	15595xg
Max. Load:	12x2ml PCR tubes
Dimensions (WxDxH):	262 x 230 x 131mm
Weight:	4kg
Power supply:	100 - 240VAC, 50/60Hz
Guarantee:	3 years

-10%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
uniCFUGE 5 with EU-plug	1	6.263 530	790.85	711.77
uniCFUGE 5 with UK-plug	1	6.263 531	790.85	711.77
Rotor for 16 x 0.2ml tubes or 2 x 8 PCR-strips	1	6.263 535	116.50	104.85



Analysis at a glance!

uniSPEC 4 is a reasonably priced UV/VIS-spectrophotometer suitable for advanced pharmaceutical, biochemical and clinical lab applications as well as quality control and routine measurements such as kinetics, wavelength scans, quantitative analysis, multi-wavelength and DNA/Protein analysis. The instrument provides excellent performance for all types of measurements. The included software enables a complete control of the spectrophotometer from a computer using the built-in USB port. The software can be updated through the internet (for stand-alone instruments). In case of a sudden power cut the data can be restored. It is possible to store and save 200 calibration curves.

Automatic wavelength setting, auto-zero and blank measurements. A Real-time clock to help state date and time of results. Both lamps can be individually turned on/off to extend the durability. A pre-adjusted lamp design allows for fast and easy lamp replacement.

Specifications

Optical System	Single beam, Grating 1200 lines/mm, Silicium Photodiode-detector
Wavelength Range:	190-1100nm
Bandwidth:	1.8nm
Wavelength Accuracy:	±0.3nm
Wavelength Repeatability:	0.2nm
Wavelength Setting:	Automatic
Photometric Accuracy:	±0.3%T
Photometric Repeatability:	0.2%T
Photometric Range:	-0.3-3A, 0-200%T, 0-9999C
Stability:	±0.002A/h at 500nm
Baseline Flatness:	±0.001A/h
Stray Light:	≤0.05%T at 220nm, 360nm
Data Output:	USB port
Printer Port:	Parallel port
Display:	320 x 240 Dots LCD
Standard Cell Holder:	4-position 10mm cell changer
Lamps:	D2 Lamp and W Lamp
Power Requirements:	AC 220V/50Hz or 110V/60Hz
Dimension (WxDxH):	625 x 430 x 206mm
Weight:	28kg
Guarantee:	3 years

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
uniSPEC 4, with EU-plug	1	6.263 620	3,867.15	3,480.44
uniSPEC 4, with UK-plug	1	6.263 621	3,867.15	3,480.44

For more information please visit www.llg-labware.com



Other instruments available and ready to ship!



uniSPEC 2



uniSTIRRER 3



uniCFUGE 2



uniCFUGE 3



uniSTIRRER 1

For more articles see our Laboratory Catalogue from page 896, 1330, 1334 onwards

LLG-Microcentrifuge tubes, PP



The microcentrifuge tubes cover standard volumes for a variety of sample tests. They are available in 0.5ml, 1.5ml and 2.0ml volumes. These standard Microtubes withstand high centrifugal forces, are temperature and chemical-resistant and guaranteed against leaks. An innovative and modern new generation of Microtubes with new features. Perfect sealing qualities, excellent chemical stability and optimal construction materials guarantee even better resistance to centrifugal and chemical forces. Easy to open and to close thanks to the improved lid geometry. For visual volume control the 1.5ml tubes are equipped with graduations at 0.5ml, 1.0ml and 1.5ml. The 2.0ml tubes have graduations at 0.5ml, 1.0ml, 1.5ml and 2.0ml. The 0.5ml tubes are without graduations. Certified DNase-, RNase- and pyrogen free.

Non sterile, clear, in bags. Certified free of DNase, RNase, suitable for microbiology. Guaranteed metal-free. CE-certified for In-Vitro-Diagnostics acc. to 98/79/EG.

Specifications

Autoclavability

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

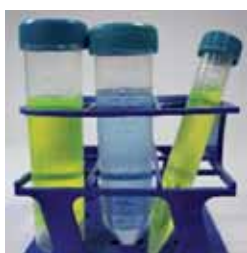
Centrifugation

Fixed angle rotor: 25000xg
Swing out rotor: 70000xg

-25%

Volume	Form	PK	Cat. No.	Price	Now
ml				EUR	EUR
0.5	conical	1000	9.409 023	11.63	8.72
1.5	conical	1000	9.409 024	12.22	9.17
2.0	round	1000	9.409 025	15.57	11.68

LLG-Centrifuge tubes, PP



Polypropylene tubes with very good thermal, mechanical and chemical stability. With screw closure. Sterile tubes fitted with screw-on closure. Packed in boxes or bags. With graduations and labelling area. Cytotoxicity-free, DNase/RNase- and human DNA-free.

Centrifugation capacity (Max. RCF): 6000 x g **-17%**

Capacity	Form	Description	PK	Cat. No.	Price	Now
ml					EUR	EUR
15	conical	sterile, single packed	50	9.316 062	6.71	5.57
15	conical	non-sterile, 8x50 in rack	400	4.008 507	42.41	36.03
15	conical	non-sterile	500	9.316 063	51.26	42.55
50	conical	sterile, single packed	50	9.316 064	7.69	6.38
50	conical	non-sterile	500	9.316 065	62.25	52.50
50	conical	non-sterile, in rack	50	9.316 066	8.22	6.82
50	with rim	sterile, single packed	50	9.316 067	8.82	7.32
50	with rim	non-sterile	50	4.008 506	7.79	6.47
50	with rim	non-sterile, 4x50 in rack	200	4.008 508	31.69	26.30

LLG-Pasteur pipettes, Soda Lime glass



Single use. With uniform shape and length. With long drawn, 1.1mm diameter fine tip, 20mm suction tube and constriction for tight fitting of cotton wool plugs. External diameter: 7.1mm.

Please order Pipette teats separately.

-20%

Length	PK	Cat. No.	Price	Now
mm			EUR	EUR
150	1000	9.411 015	25.03	20.02
230	1000	9.411 020	25.03	20.02

Pipette teats, natural rubber/latex



DEUTSCH & NEUMANN

Volume Discounts Apply

Capacity	PK	Cat. No.	Now
ml			EUR
1.8	10	6.265 727	2.56

Macropipette controllers



The handwheel allows precise suction of the liquid into the pipette with one hand. The handwheel which enables the suction piston is designed for easy operation by using only the thumb. When the wheel stops, the piston remains in the desired position. The liquid can be blown out by pressing the piston back or allowed to flow out by setting the lateral switch to "Ex". A slight pressure applied to the discharge lever opens the valve and lets the liquid flow out easily.

-25%

For	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette volume up to 2ml	1	4.008 322	8.18	6.14
Pipette volume up to 10ml	1	4.008 323	8.18	6.14
Pipette volume up to 25ml	1	4.008 324	9.05	6.79

Precision forceps kit, 5-parts, stainless steel

Precision Tweezers Kit, anti-magnetic and acid resistant stainless steel in a cardboard box with foam insert, includes:

- 120mm strong, bevel, wide
- 120mm flat, precise, round tips
- 120mm very sharp, fine, short
- 110mm extra fine tips
- 115mm very fine, curved



-25%

Description	PK	Cat. No.	Price	Now
Precision forceps kit, 5-parts	1	9.160 124	EUR 100.62	EUR 75.47

Digital CMOS Microscope Cameras MOTICAM for all purpose

Ergonomic and compact housing. Exceptional colour resolution. Ideal for beginners in digital colour microscopy, schools as well as labs.



- Output: USB 2.0 (cable attachable), progressive Scan, TWAIN-interface
- Supplied with two variable diameter eyepiece couplers, focusable macro lens, macrotube, Motic 4-dot calibration slide, Software Motic Images Plus 2.0 for PC (MI) and MAC
- Operation system: Windows XP (and higher) and Mac OSX

Special price!

-20%

Type	Resolution	sensor format	PK	Cat. No.	Price	Now
MOTICAM 1	1MP	1/4" CMOS	1	6.253 608	EUR 181.69	EUR 145.35

Precision linen testers, plastic

- Linen tester with lateral scale
- Black plastic housing
- Scale: lateral scale with mm graduation

Special price!



-25%

Mag-nification	Lens diam.	Field of view	Height	PK	Cat. No.	Price	Now
8x / 30dpt	18 mm	20 x 20 mm	35 mm	1	6.236 477	EUR 11.07	EUR 8.30

Illuminated pocket magnifiers, mobilux economy



Special price!

Great value illuminated pocket magnifier with NF filament bulb. Batteries are very handy to change when the battery compartment is opened, the upper and lower sections of the housing remain connected via a hinge and can be easily closed again.

Bulb: NF lens bulb 2.5 V, 250 mA, E10, battery included..

-20%

Mag-nification	Lens diam.	PK	Cat. No.	Price	Now
7x / 28dpt	35 mm	1	9.151 148	EUR 17.79	EUR 14.23
10x / 38dpt	35 mm	1	9.151 149	EUR 20.05	EUR 16.04

Micromagnifier with illumination

Suitable for inspecting a wide variety of surfaces such as metals, textiles, minerals, varnishes, etc. The wide focusing range enables raised or depressed features (e.g. holes) to be examined in detail. Supplied with 2 x 1.5V AA batteries.

- Precise focusing with adjustable wheel
- The light can be used when required
- Magnification 30x, glass lenses

Special price!



-25%

Mag-nification	Description	PK	Cat. No.	Price	Now
30x	with illumination	1	9.151 594	EUR 57.19	EUR 42.89

Precision linen testers, metal

Brass frame, chrome-plated, silk matt finish
Silica glass lenses, biconvex



Special price!

-18%

Mag-nification	Lens diam.	Field of view	PK	Cat. No.	Price	Now
12x / 48dpt	12.5 mm	10 x 10 mm	1	9.151 423	EUR 15.82	EUR 12.97
10x / 40dpt	14.5 mm	15 x 15 mm	1	9.151 427	EUR 18.36	EUR 15.06
8x / 32dpt	17.5 mm	20 x 20 mm	1	9.151 433	EUR 19.42	EUR 15.92
6x / 24dpt	22.5 mm	25 x 25 mm	1	9.151 442	EUR 26.05	EUR 21.36
5x / 20dpt	31.5 mm	30 x 30 mm	1	9.151 453	EUR 36.22	EUR 29.70

For more articles see our Laboratory Catalogue from page 345, 359, 362 onwards

LLG-Sample dishes, Aluminium

High quality aluminium sample dishes, for moisture determination.



Swiss Made



-15%

Diam.	Height	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
100	7	80	6.265 408	12.79	10.87

LLG weighing scoops, porcelain



Length	Volume Discounts	PK	Cat. No.	Now
mm	Apply			EUR
37		1	9.115 350	1.85
53		1	6.241 255	2.01
64		1	9.115 351	2.14

LLG-Weighing Boats, antistatic, PS



Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Temperature range -10 to +70°C. Can be used with microwave moisture analysers.

square

Boats are shallow with a wide, flat bottom to resist tipping. Rounded corners simplify transfer.

Capacity	Dimensions (W x D x H)	Colour	PK	Cat. No.	Price	Now
ml	mm				EUR	EUR
7	46 x 46 x 8	White	1000	9.900 785	30.10	24.68
100	85 x 85 x 24	White	1000	9.900 786	47.11	38.63
250	140 x 140 x 22	White	1000	9.900 787	75.60	61.99
7	46 x 46 x 8	Black	1000	9.900 789	30.10	24.68
100	85 x 85 x 24	Black	1000	9.900 791	47.11	38.63

hexagonal

Same as square. Bend flexible boats at points to form pour spouts. Flat bottoms to resist tipping. Sloping sides provide accurate transfer.

Size	Dimensions	Colour	PK	Cat. No.	Price	Now
	mm				EUR	EUR
Small	38 x 25 x 9	white	500	9.900 893	11.88	9.74
Medium	64 x 51 x 19	white	500	9.900 894	20.14	16.51
Large	102 x 76 x 22	white	500	9.900 895	55.71	45.68
X-Large	127 x 89 x 31	white	500	9.900 896	71.07	58.28

Playing card rejects

Standard size for use as disposable sample carriers or spatulas. Printed and laminated on both sides. Pack size: 1kg, not sorted



-25%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Playing card rejects	1	9.190 940	9.28	6.96

Compact balances Type EMB

Special price



Economically priced, battery-operated models. Large LCD readout with 15mm high digits. "Weigh-in" function simplifies mixing. Supplied with 4 x 1.5V AA batteries. With d.c. power connection socket (accessory mains adapter Cat. No. 6.082 721 sold separately). Auto-off function activates after 3 minutes without use for saving battery power.

Dimensions (WxDxH): 170 x 240 x 38mm
Net weight: approx. 600g

-15%

Type	Capacity	Readability	Reproducibility	Linearity	Plate diam.	PK	Cat. No.	Price	Now
	g	g	± g	± g	mm			EUR	EUR
EMB 100-3	100	0.001	0.001	0.003	82	1	6.238 426	192.85	163.92
EMB 200-2	200	0.01	0.01	0.02	105	1	9.901 320	121.80	103.53
EMB 600-2	600	0.01	0.01	0.03	105	1	9.901 321	164.17	139.54
EMB 1000-2	1000	0.01	0.01	0.03	150	1	6.235 728	192.85	163.92
EMB 500-1	500	0.1	0.1	0.2	150	1	9.901 322	58.25	49.51
EMB 1200-1	1200	0.1	0.1	0.3	150	1	9.901 323	79.43	67.52
EMB 5.2K1	5200	1.0	1.0	3.0	150	1	9.901 324	58.25	49.51
EMB 2200-0	2200	1.0	1.0	2.0	150	1	9.901 371	58.25	49.51

Weighing paper MN 226

Transparent, smooth.
Block of 100 sheets.



-30%

Type	Width	Length	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
MN 226	90	115	100	9.058 975	9.45	6.62

Weighing Papers, Nitrogen free

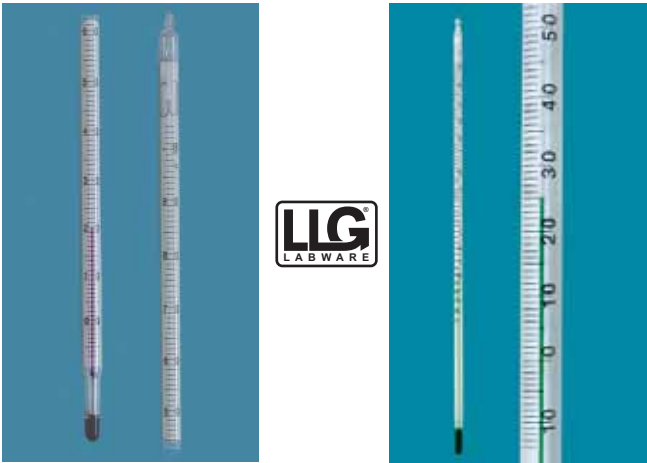
- Especially suitable for Kjeldahl digestion
- Nitrogen free for a very smooth surface and good sample recovery
- Strong enough to support dense material



-15%

Dimensions (D x W)	PK	Cat. No.	Price	Now
mm			EUR	EUR
76 x 76	500	9.059 016	22.45	19.08
102 x 102	500	9.059 017	33.04	28.08
152 x 152	500	9.059 018	66.00	56.18

LLG General-purpose thermometers



9.235 250

9.235 277



Red filling

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

-30%

Measuring range	Length	Graduations	Diam.	Immersion depth	PK	Cat. No.	Price	Now
°C	mm	°C	mm				EUR	EUR
-10/0 ... +50	200	1	7 - 8	total	1	9.235 245	6.88	4.82
-10/0 ... +100	260	1	7 - 8	total	1	9.235 250	6.88	4.82
-10/0 ... +150	260	1	7 - 8	total	1	9.235 255	7.52	5.26
-10/0 ... +200*	300	1	7 - 8	total	1	9.235 260	8.99	6.29
-10/0 ... +250*	300	1	7 - 8	total	1	9.235 265	12.60	8.82

* Note: With these types the colour can fade after extended periods of use at higher temperatures.

Green filling

Glass, solid stem, with loop, white backed. Environmentally friendly thermometer, with biodegradable, green spirit filling.

-30%

Measuring range	Length	Graduations	Diam.	Immersion depth	PK	Cat. No.	Price	Now
°C	mm	°C	mm	mm			EUR	EUR
-10/0 ... +110	300	1.0	6-7	76	1	9.235 275	7.95	5.57
-10/0 ... +110	300	0.5	6-7	76	1	9.235 276	8.56	5.99
-10/0 ... +150	300	1.0	6-7	76	1	9.235 277	8.56	5.99
-10 ... +250	300	2.0	6-7	76	1	9.235 278	11.79	8.25
-10 ... +360	300	2.0	6-7	76	1	9.235 279	13.12	9.18

Laboratory Min./Max. thermometer

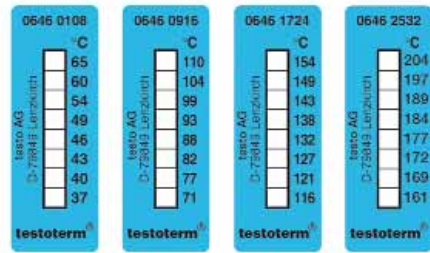


Display of current, highest and lowest temperature, hold function, alarm at freely adjustable temperature values (upper/lower limit), measuring range -50 to +70°C, accuracy ±0.5°C at -20 to +25°C, otherwise ±1°C, selectable °C/°F readout. Supplied with table stand and magnet, probe with 3m cable and 3V Lithium CR2032 button cell (acc. to EN 13485). Dimensions: 86 x 57 x 30mm. Weight: 100g.

-30%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Laboratory Max./Min. thermometer	1	9.851 022	21.80	15.26

8-step irreversible temperature strips testoterm®



4 types cover the measuring range +37° ... +199°, each strip displays 8 different temperatures. Each strip measures 50 x 18mm.

-30%

Type	Measuring range	PK	Cat. No.	Price	Now
	°C			EUR	EUR
06460108	+37 ... +65	10	9.246 002	26.69	18.68
06460916	+71 ... +110	10	9.246 003	23.35	16.35
06461724	+116 ... +154	10	9.246 004	26.69	18.68
06462532	+160 ... +199	10	9.246 005	26.69	18.68

Thermometer Pocket-Digitemp



Waterproof instrument in plastic housing (food-grade). Low budget, durable instrument for measuring temperature in air, gas, liquid and platical substances (acc. to EN 13485). Battery included.

Range of applications: Food (HACCP), industry, agriculture.

Features: waterproof, 1-second measuring frequency, Min-Max-Hold function, °C/°F-selectable.

Sensor:	NTC
Measuring range:	-40°C to +200°C
Resolution:	0.1°C
Accuracy:	±0.8°C (at 0°C to 100°C) others 1.5°C
Dimensions:	150 x 20 x 16mm (short version) 202 x 20 x 16mm (long version)
Probe dimensions:	75 x 3.5mm (short version) 126 x 3.5mm (long version)
Weight:	40g

-25%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
short version	1	9.851 028	18.04	13.51
long version	1	9.851 029	18.04	13.51

For more articles see our Laboratory Catalogue from page 34, 42, 48, 393 onwards

Sample containers, PS, with metal cap, sterile



Ideal for sample collection and storage. Made of virgin polystyrene. All materials are non-cytotoxic. For In Vitro use only. CE Marked in accordance with the European Directive 98/79/CE. The metal cap with inert PVC-Liner ensures leak proof seal.

-18%

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.	Price EUR	Now EUR
60	43	60	60	6.261 958	11.82	9.73
100	49	75	40	6.261 959	13.73	11.26
250	63	121	25	6.261 960	14.46	11.86

Laboratory Short period timer Compact



Digital reading, with alarm and repeat function.
12hr. clock function.
Countdown and countup display: 23hrs, 59mins, 59secs.
Battery SR 44 inclusive.

Dimensions (W x H x D): 64 x 60 x 16mm
Weight: 40 g

-20%

Type	PK	Cat. No.	Price EUR	Now EUR
Compact timer	1	9.262 071	12.55	10.04

Tube Rack Adapt-a-Rack™, POM



Capable of holding different size tubes in each available slot as the well literally adapts to your tube size to hold firmly in an upright position. The design enables you to hold 12 to 30mm (5 to 50ml) tubes simultaneously and still allow full viewing of the tube label. Available in solid or combination colours for application. Racks can be linked together for additional holding capacity. Autoclavable. Dimensions (WxDxH): 181 x 56 x 76mm

-25%

Colour	PK	Cat. No.	Price EUR	Now EUR
Blue	2	9.194 027	8.99	6.74
Green	2	9.194 028	8.99	6.74
White	2	9.194 029	8.99	6.74

Folding Box mini/midi, PP, foldable and stackable



A straightforward and tough folding mechanism permits for safe and easy handling. Dishwasher safe, food safe. Autoclavable at 120°C, enduring temperature stability from -40°C to +90°C.

Volume Discounts

Apply

Folding Box mini

Volume 4 liter, weight 180g, load 2.5kg.

Colour	Dimensions mm	PK	Cat. No.	Now EUR
black	265x171x105	1	9.301 480	1.92
white	265x171x105	1	9.301 481	1.92
blue	265x171x105	1	9.301 482	1.92
yellow	265x171x105	1	9.301 483	1.92
red	265x171x105	1	9.301 484	1.92

Folding Box midi

Volume 14.5 liter, weight 300g, load 8kg.

Two Mini size folding boxes fit perfectly into the Midi.

Volume Discounts

Apply

Colour	Dimensions mm	PK	Cat. No.	Now EUR
black	400x300x145	1	9.301 485	4.00
white	400x300x145	1	9.301 486	4.00
blue	400x300x145	1	9.301 487	4.00
yellow	400x300x145	1	9.301 488	4.00
red	400x300x145	1	9.301 489	4.00

LABORTOPS

LLG-Vacuum desiccator cabinets, polycarbonate, square form, "Heavy Duty"

High-quality and stable construction made of polycarbonate. Highly transparent, lightweight, shatterproof and stackable. Silicon O-ring and specially designed locking clip allows use without grease. Three-way stopcock provides great convenience for consistent vacuum draw, vacuum release or gas exchange e.g. inert gas. Maximum vacuum of 1 Torr (1.3mbar; 1.33×10^{-4} MPa) for more than 72 hours, with built-in vacuum gauge.



Also available in brown with UV-blocking effect for light sensitive samples.

Included in delivery: Vacuum gauge, O-ring, drying agent tray, 2 x perforated sample trays (models: VDC-11 and VDC-21) or 3 x perforated sample trays (models: VDC-31 and VDC-41).



-10%

Type	External dimensions (W x D x H) mm	Internal dimensions (W x D x H) mm	Capacity litres	Max. number shelves	PK	Cat. No.	Price EUR	Now EUR
VDC-11	322 x 285 x 271	248 x 254 x 238	11	4	1	9.042 769	588.87	529.98
VDC-21	420 x 392 x 281	346 x 365 x 246	23	4	1	9.042 767	734.96	661.46
VDC-31	420 x 397 x 381	355 x 375 x 345	35	5	1	9.042 765	937.86	844.07
VDC-41	420 x 397 x 491	355 x 374 x 445	45	6	1	9.042 763	1,199.37	1,079.43

Water jet pumps, PP

Water jet pump, including

- Mains water connections: R 3/4" sleeve nut, R 1/2" reducing adapter and flexible tubing connection (nozzle) with external diameter from 10mm to 12mm.
- Vacuum connection: Detachable nozzle with external diameter from 6mm to 9mm and GL 14 screw cap.

Performance characteristics at 3.5 bar water supply pressure at 12°C

Water consumption: 190L/hr.
Ultimate vacuum: 16 mbar
Flow rate at atmospheric pressure: 400L/hr. free air

Special price!



-25%

Type	PK	Cat. No.	Price EUR	Now EUR
Water jet pump	1	9.303 125	34.88	26.16
Reducing adapter R 3/8" for water jet filter pump	1	7.020 037	4.14	3.11
Reducing adapter M 22x1 for water jet filter pump (thread for screen tap)	1	7.020 038	4.14	3.11