

# LABORTOPS

valid until 30.09.2023



Precision balances  
type EW-N and EG-N



- Compact and robust
- LCD display with large digits



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## Gel pens Sharpie® S-Gel



- Fast drying
- Smudge-proof

Sharpie®

NEW



Gel pen with ribbed soft-touch grip offers a secure hold and a pleasant writing experience. The gel ink in vibrant colours does not press through the paper, dries quickly, and is smudge-proof. With practical clip for safe storage in pockets, suitcases, and backpacks.

-30%

Colour	Line width mm	PK	Cat. No.	Price EUR	Now EUR
black	0.7	3	4.687 593	<del>14,20</del>	<b>9,94</b>
blue	0.7	3	4.687 596	<del>14,20</del>	<b>9,94</b>
black, blue, red	0.7	3	4.687 592	<del>14,20</del>	<b>9,94</b>
black	0.7	12	4.687 591	<del>37,40</del>	<b>19,18</b>
blue	0.7	12	4.687 595	<del>37,40</del>	<b>19,18</b>
red	0.7	12	4.687 594	<del>37,40</del>	<b>19,18</b>

## LLG-Lab Notebook

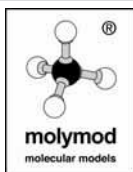


For recording research data, experimental procedures, and design ideas. Use these notebooks to keep your information safe and well organised. Numbered, acid-free, grid pages include spaces for title, project number, book number, date, and witness signature. Lined notebooks feature college ruled pages for easy report writing. Covers are waterproof and chemical-resistant. All notebooks contain periodic and conversion tables in the back. Admissible as court evidence when used as prescribed by law. Measures: 216 x 279 mm.

-30%

Type	Description	Colour	PK	Cat. No.	Price EUR	Now EUR
Grid	100 pages	Black	1	9.050 750	<del>34,30</del>	<b>24,01</b>
Grid	200 pages	Blue	1	9.050 751	<del>45,00</del>	<b>31,50</b>
Lined	200 pages	Red	1	9.050 752	<del>45,00</del>	<b>31,50</b>

## Molecular model system Molymod®



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

-19%

Type	Description	PK	Cat. No.	Price EUR	Now EUR
Introductory Set	48 atoms, 62 links	1	9.883 101	<del>25,60</del>	<b>20,62</b>
Organic Set, large	111 atoms, 140 links	1	9.883 103	<del>53,00</del>	<b>42,80</b>
Biochemistry Set, large	257 atoms, 160 links	1	9.883 107	<del>97,50</del>	<b>78,78</b>
Organic Set, small	50 atoms, 64 links	1	9.883 108	<del>25,70</del>	<b>20,75</b>
Inorganic/Organic Set, small	51 atoms, 38 links	1	9.883 109	<del>25,90</del>	<b>20,87</b>
Inorganic/Organic Set, large	106 atoms, 86 links	1	9.883 104	<del>52,70</del>	<b>42,55</b>

## LLG-Labeling tapes



For labelling and colour coding of laboratory vessels and utensils. Strong and durable. Water resistant. Can withstand temperatures ranging from -23 °C to 121 °C. The tapes are easy to write-on and leave no residue when removed. Rolls of 12.7 m.

-30%

Width mm	Colour	PK	Cat. No.	Price EUR	Now EUR
12.7	white	6	4.663 401	<del>31,60</del>	<b>22,12</b>
12.7	yellow	6	4.663 402	<del>31,60</del>	<b>22,12</b>
12.7	green	6	4.663 403	<del>31,60</del>	<b>22,12</b>
12.7	red	6	4.663 404	<del>31,60</del>	<b>22,12</b>
12.7	orange	6	4.663 405	<del>31,60</del>	<b>22,12</b>
12.7	blue	6	4.663 406	<del>31,60</del>	<b>22,12</b>
12.7	pink	6	4.663 407	<del>31,60</del>	<b>22,12</b>
12.7	3 x blue, 3 x green, 3 x orange, 3 x red, 5 x white, 4 x yellow, 3 x pink	24	4.663 408	<del>70,10</del>	<b>59,00</b>
19.0	white	4	4.663 409	<del>33,50</del>	<b>23,45</b>
19.0	yellow	4	4.663 410	<del>33,50</del>	<b>23,45</b>
19.0	green	4	4.663 411	<del>33,50</del>	<b>23,45</b>
19.0	red	4	4.663 412	<del>33,50</del>	<b>23,45</b>
19.0	orange	4	4.663 413	<del>33,50</del>	<b>23,45</b>
19.0	blue	4	4.663 414	<del>33,50</del>	<b>23,45</b>
19.0	pink	4	4.663 415	<del>33,50</del>	<b>23,45</b>
19.0	2 x blue, 2 x green, 2 x orange, 2 x red, 4 x white, 2 x yellow, 2 x pink	16	4.663 416	<del>68,40</del>	<b>56,15</b>
25.4	white	3	4.663 417	<del>40,60</del>	<b>28,42</b>
25.4	yellow	3	4.663 418	<del>40,60</del>	<b>28,42</b>
25.4	green	3	4.663 419	<del>40,60</del>	<b>28,42</b>
25.4	red	3	4.663 420	<del>40,60</del>	<b>28,42</b>
25.4	orange	3	4.663 421	<del>40,60</del>	<b>28,42</b>
25.4	blue	3	4.663 422	<del>40,60</del>	<b>28,42</b>
25.4	pink	3	4.663 423	<del>40,60</del>	<b>28,42</b>
25.4	1 x blue, 2 x green, 1 x orange, 2 x red, 2 x white, 2 x yellow, 2 x pink	12	4.663 424	<del>66,30</del>	<b>46,41</b>



- New Assortment
- Automatic Label Recognition
- High Throughput Printer
- Compact Design

## Label printer DYMO® LabelWriter™ 550 Turbo



Compact label printer with direct thermal printing technology for fast and efficient label printing without additional ink cartridges or toner cartridges. The new label type recognition technology provides information on the size, type, and colour of the loaded labels and automatically displays the number of labels remaining.

- Print resolution of up to 300 x 300 dpi
- Ethernet interface enables LAN network connectivity

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

Max. label width: 59 mm  
 Print speed: 90 labels/min.  
 Weight: 645 g  
 Power supply: 24 V, 2.5 A



Type	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
550 Turbo	127 x 187 x 136	1	4.687.586	EUR <del>193,00</del>	EUR <b>175,35</b>

## Label printer DYMO® LabelWriter™ 450 Twin Turbo



The label printer with 2 printing units for faster and more efficient printing of LW labels. Thanks to direct thermal printing technology, no ink cartridges or toner cartridges are required.

- High print resolution of up to 600 x 300 dpi
- Printing precise label quantities without cumbersome label sheets
- Customised label design with DYMO® Label™ software
- Quickly create labels directly from Microsoft® Word, Excel®, Outlook®, and other programs
- Built-in address book allows printing of labels from Outlook® contacts or Mac® address book
- PC connection via USB interface

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

Max. label width: 59 mm  
 Print speed: 71 labels/min.  
 Weight: 1.09 kg  
 Power supply: 24 V, 1.75 A



Type	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
450 Twin Turbo	217 x 187 x 135	1	4.687.648	EUR <del>302,00</del>	EUR <b>274,16</b>

## High-performance labels LabelWriter™ for DYMO® label printers, white

LW Labels with industrial adhesive for secure, permanent adhesion to many surfaces, such as paper, plastic, metal, wood, and glass. A protective layer prevents peeling and abrasion caused by moisture, acetone, alcohol, and conventional cleaning agents.



- Scratch and tear resistant plastic material
- Label printing with direct thermal printing technology
- Pre-assembled labels for quick and easy application
- Moisture resistant
- BPA-free
- Temperature resistant from -18 to 50 °C



Package contents	Dimensions (D x W) mm	PK	Cat. No.	Price	Now
1 roll with 800 labels	32 x 57	1	4.687.583	EUR <del>150,00</del>	EUR <b>106,04</b>
2 rolls with 450 labels	19 x 64	1	4.687.578	EUR <del>116,00</del>	EUR <b>81,58</b>
2 rolls with 350 labels	25 x 89	1	4.687.579	EUR <del>116,00</del>	EUR <b>81,58</b>
2 rolls with 850 labels	25 x 25	1	4.687.580	EUR <del>116,00</del>	EUR <b>81,58</b>

## Laboratory trays LaboPlast®, PP



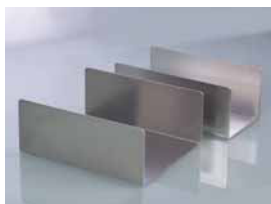
White multi-purpose trays. Injection-moulded. Durable and resist flexing, with strong, rounded rim. Stackable and hygienic. Surface is easy-to-clean. Resistant to many acids and alkaline solutions. Food-safe. Temperature resistant up to 60 °C.



**-17%**

Internal dimensions	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
130 x 180	230 x 180 x 42	1	9.200 203	<del>5,80</del>	<b>4,82</b>
180 x 240	310 x 250 x 65	1	9.200 204	<del>10,40</del>	<b>8,69</b>
240 x 300	370 x 310 x 75	1	9.200 205	<del>15,10</del>	<b>12,56</b>
300 x 400	520 x 420 x 120	1	9.200 206	<del>24,50</del>	<b>20,38</b>
400 x 500	634 x 534 x 140	1	9.200 207	<del>42,60</del>	<b>35,45</b>
500 x 700	846 x 648 x 160	1	9.200 208	<del>62,00</del>	<b>48,45</b>

## Space saving jerrycan Flachmann LaboPlast®, PP



Transparent. Flachmann can also be stored lying on its side e.g. in a refrigerator. It is very stable due to ribbed structure and thick sides. With the optional support stands for 5 l jerrycans, they can be placed safely in the open.

- With or without threaded connector 3/4"
- With tamper-evident cap, PP, blue
- Canister without valve autoclavable
- Graduations: 250ml
- With moulded, indestructible litre graduation

### Space-saving Compact set: 1 Flachmann LaboPlast® canister 5 l or 10 l and 1 stopcock Compact

The Flachmann canister is ideal to store and decant liquids in a small space. The Compact stopcock for canisters and barrels features an impressive compact design, which does not overlap the footprint of the canister and therefore can be stored on its side e.g. within a refrigerator or rack without screwing off the stop-cock.

**-16%**

### Space-saving StopCock set: 1 Flachmann LaboPlast® canister 5 l or 10 l with screw neck and 1 stopcock

Capacity	Description	Dimensions (W x D x H)	PK	Cat. No.	Price	Now
l		mm			EUR	EUR
5	With screw neck	65 x 335 x 335	1	9.140 002	<del>35,50</del>	<b>26,11</b>
5	Without screw neck	65 x 335 x 335	1	9.140 001	<del>33,30</del>	<b>27,20</b>
5	Space-saving Set Compact	65 x 335 x 335	1	9.140 004	<del>45,00</del>	<b>36,54</b>
5	Space-saving Set StopCock	65 x 335 x 335	1	9.140 011	<del>55,40</del>	<b>45,28</b>
10	Space-saving Set Compact	125 x 335 x 335	1	6.290 255	<del>53,00</del>	<b>48,23</b>
10	Space-saving Set StopCock	125 x 335 x 335	1	6.290 254	<del>62,60</del>	<b>52,37</b>
	Support stand for 2 jerrycans (only for 5 l canister)		1	9.139 999	<del>24,90</del>	<b>22,61</b>
	Support stand for 3 jerrycans (only for 5 l canister)		1	9.139 996	<del>26,50</del>	<b>24,07</b>

## Photographic trays, PVC



With ribbed base. Stackable.

**-30%**

Internal dimensions (W x D x H)	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
200 x 150 x 45	245 x 195 x 50	1	9.200 372	<del>20,90</del>	<b>14,63</b>
250 x 200 x 60	305 x 250 x 60	1	9.200 373	<del>27,30</del>	<b>19,11</b>
320 x 260 x 70	385 x 325 x 75	1	9.200 374	<del>43,20</del>	<b>30,24</b>
350 x 300 x 80	420 x 375 x 85	1	9.200 375	<del>55,60</del>	<b>38,92</b>
430 x 330 x 90	505 x 405 x 95	1	9.200 376	<del>75,80</del>	<b>53,06</b>
520 x 420 x 90	600 x 495 x 100	1	9.200 377	<del>108,20</del>	<b>75,74</b>
675 x 530 x 100	765 x 620 x 110	1	9.200 378	<del>189,10</del>	<b>132,37</b>

## Trays and bowls, PS



Suitable for foodstuffs and general laboratory use. High impact polystyrene.

**-30%**

Internal dimensions (W x D x H)	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
320 x 220 x 10	353 x 252 x 21	1	6.224 952	<del>21,60</del>	<b>15,12</b>
150 x 100 x 30	201 x 151 x 41	1	6.224 986	<del>13,10</del>	<b>9,17</b>
260 x 110 x 30	303 x 151 x 42	1	6.225 054	<del>15,20</del>	<b>10,64</b>
310 x 210 x 30	353 x 253 x 41	1	6.225 055	<del>24,10</del>	<b>16,87</b>
140 x 90 x 70	202 x 151 x 81	1	6.228 312	<del>44,40</del>	<b>10,08</b>
240 x 90 x 70	303 x 151 x 81	1	6.228 313	<del>47,20</del>	<b>12,04</b>
290 x 190 x 70	352 x 252 x 82	1	6.227 810	<del>34,10</del>	<b>23,87</b>
200 x 200 x 70	252 x 252 x 82	1	7.631 628	<del>21,20</del>	<b>14,84</b>
380 x 270 x 10	408 x 300 x 21	1	6.205 063	<del>32,20</del>	<b>22,54</b>
360 x 250 x 30	409 x 300 x 42	1	6.224 951	<del>32,20</del>	<b>22,54</b>
340 x 240 x 70	408 x 299 x 81	1	6.227 811	<del>35,10</del>	<b>24,57</b>



## Reagent spoons, 18/10 steel



Double ended.

**-25%**

Dimensions Spoon (L x W)	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
30 x 22 - 23 x 17	150	1	9.150 015	<del>5,90</del>	<b>4,45</b>
40 x 29 - 30 x 22	180	1	9.150 018	<del>5,70</del>	<b>4,75</b>
40 x 29 - 30 x 22	210	1	9.150 021	<del>6,30</del>	<b>5,22</b>
48 x 29 - 40 x 29	250	1	9.150 025	<del>7,20</del>	<b>5,94</b>
48 x 35 - 40 x 29	300	1	9.150 030	<del>7,65</del>	<b>6,12</b>

## Dissecting Set, 8 pieces, stainless steel



- 1 Scissors, sharp
- 1 Forceps, blunt
- 1 Scalpel with blade 35 mm
- 1 Scalpel with blade 45 mm
- 1 Dressing scissors
- 1 Forceps, sharp
- 1 Dissecting needle
- 1 Lancet

**-14%**

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Dissecting set, 8 pieces	1	6.800 729	<del>43,00</del>	<b>36,96</b>

## LLG-Scissors general purpose, stainless steel



Excellent grade polished stainless steel with straight form and close shanks.

Available as 3 types:  
- sharp/sharp points  
- sharp/blunt points

**-30%**

Form	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
sharp - sharp	130	1	6.237 703	<del>7,70</del>	<b>5,39</b>
sharp - sharp	160	1	9.204 231	<del>8,40</del>	<b>5,88</b>
blunt - sharp	130	1	9.204 232	<del>7,70</del>	<b>5,39</b>
blunt - sharp	160	1	9.204 233	<del>8,40</del>	<b>5,88</b>

## LLG-Forceps, 18/10 steel



Blunt-straight.

**-30%**

Length	PK	Cat. No.	Price	Now
mm			EUR	EUR
200	1	4.008 475	<del>11,50</del>	<b>8,05</b>
250	1	4.008 476	<del>14,80</del>	<b>10,36</b>
300	1	4.008 477	<del>15,90</del>	<b>11,13</b>

## Angular, sample beakers, angled for TeleScoop, PP



With individually variable angle adjustment.



**-18%**

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
600	1	9.303 810	<del>53,40</del>	<b>44,00</b>
1000	1	9.303 812	<del>54,40</del>	<b>44,49</b>
2000	1	9.303 814	<del>59,90</del>	<b>48,86</b>

## Sampler LiquiSampler, PTFE/FEP or PP



**Easy Liquid Extraction**



DIN EN ISO 15528. For liquids. Practical push button, single-handed operation. Suitable for point, cross-sectional, and bottom sampling. Ideal for sampling from open and closed drums, kegs, tanks, silos, water sources (ponds, lakes, streams, rivers). Suitable for all commercial kegs and drums with openings of at least 32 mm diameter. All surfaces are non-porous and crevice-free preventing accumulation of dirt. Only round-profile screwthreads, suitable for food hygiene applications, are used. Simple to dismantle and clean.

**-9%**

Nominal capacity	Length	Diam.	Colour	Material	PK	Cat. No.	Price	Now
ml	mm	mm					EUR	EUR
150	600	32	highly transparent	PTFE/FEP	1	6.255 307	<del>270,90</del>	<b>254,66</b>
250	1000	32	highly transparent	PTFE/FEP	1	9.303 950	<del>323,90</del>	<b>340,20</b>
500	2000	32	highly transparent	PTFE/FEP	1	9.303 951	<del>516,10</del>	<b>469,60</b>
150	600	32	transparent	PP	1	6.901 807	<del>177,70</del>	<b>161,66</b>
250	1000	32	transparent	PP	1	9.303 955	<del>236,50</del>	<b>215,21</b>
500	2000	32	transparent	PP	1	9.303 956	<del>353,80</del>	<b>321,96</b>

## TeleScoop Telescopic Rods, aluminium



The individual rods have been provided with an end stop. This means that one rod cannot accidentally slip out of another rod. The telescopic rods cannot be rotated radially.

- Increased rigidity by using cold-rolled profile rod
- Springs made of stainless steel

**-16%**

Description	Length	PK	Cat. No.	Price	Now
	m			EUR	EUR
Telescopic rod	0.65 ... 1.20	1	9.303 800	<del>28,20</del>	<b>23,30</b>
Telescopic rod	0.70 ... 1.80	1	6.266 590	<del>47,70</del>	<b>40,04</b>
Telescopic rod	1.25 ... 2.50	1	9.303 802	<del>36,10</del>	<b>30,53</b>
Telescopic rod	0.95 ... 2.80	1	9.303 801	<del>56,30</del>	<b>46,27</b>
Telescopic rod	1.15 ... 3.00	1	9.303 804	<del>56,30</del>	<b>46,27</b>
Telescopic rod	1.65 ... 4.50	1	9.303 806	<del>78,50</del>	<b>64,02</b>
Telescopic rod	1.75 ... 6.00	1	9.303 807	<del>96,30</del>	<b>81,26</b>
Hinge for telescope rod	-	1	6.803 581	<del>30,40</del>	<b>27,66</b>

## Sampling scoops and spoons, PS, sterile



White or red high-impact polystyrene plastic.

- Individually sealed and sterilised in a polyethylene bag
- Long handle increases the distance between the hand and the sample
- Scoop is suitable for use as weighing boat
- Food-safe
- Lot stamped for accurate lot tracing
- Shipped with a Certificate of Processing for Sterilization

**-30%**

Type	Capacity	Colour	PK	Cat. No.	Price	Now
	ml				EUR	EUR
Scoop	60	white	100	4.675 626	<del>380,00</del>	<b>266,00</b>
Scoop	125	white	100	4.675 627	<del>490,00</del>	<b>343,00</b>
Scoop	250	white	100	4.675 628	<del>650,00</del>	<b>455,00</b>
Scoop	60	red	100	4.675 629	<del>485,00</del>	<b>339,50</b>
Scoop	125	red	100	4.675 625	<del>530,00</del>	<b>371,00</b>
Scoop	250	red	100	4.675 630	<del>715,00</del>	<b>500,50</b>
Spoon*	1.25	white	200	4.675 631	<del>770,00</del>	<b>539,00</b>
Spoon*	2.46	white	200	4.675 632	<del>800,00</del>	<b>560,00</b>
Spoon*	4.93	white	200	4.675 633	<del>750,00</del>	<b>525,00</b>
Spoon*	14.79	white	200	4.675 634	<del>710,00</del>	<b>497,00</b>

\* Gamma sterilisiert

## Filter bags Whirl-Pak®, PE, sterile



Nasco

All the bags use the same filter material. These special bags contain a third layer of finely perforated polyethylene, which filters out the solids in the sample when used in a homogeniser blender. This allows for easy pipetting of the sample. The hole diameter in the filter layer measures 0.33 mm and there are 285 holes per square cm. The filter is sealed into the perimeter of the bag on the sides and bottom, allowing the sample to be placed in the bag on either side. The liquid will transfer through the filter, but the solids stay on one side.

With write-on lable. Temperature range: -210 to 82 °C.

-30%

Nominal capacity	Dimensions (D x W)	Thickness	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
710	150 x 230	0.102	250	7.970 783	<del>448,80</del>	<b>314,16</b>
1627	190 x 300	0.102	250	6.263 368	<del>529,20</del>	<b>370,44</b>

## Sample bags/Homogenising bags Whirl-Pak®, PE, sterile



Nasco

- Sterile, solid bags for the homogenisation of liquids and solids
- With and without labelling strips

-30%

Nominal capacity	Dimensions (D x W)	Thickness	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
384	130 x 190*	0.076	500	6.052 018	<del>200,40</del>	<b>140,28</b>
710	150 x 230*	0.102	500	9.404 233	<del>306,00</del>	<b>214,20</b>
1627	190 x 300**	0.102	500	7.059 855	<del>442,80</del>	<b>309,96</b>

\* without label  
\*\* with label

## LLG-Sample containers, PP, with screw cap, HDPE



Heavy Duty



Ideal for liquid specimen collection, transportation and storage.

- Ideally suited for liquid 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
- With label
- Leak proof

-11%

Nominal capacity	Grad. up to	Ø with Cover	Height	PK	Cat. No.	Price	Now
ml	ml	mm	mm			EUR	EUR
20	15	37	42	1000	6.265 649	<del>155,10</del>	<b>137,65</b>
40	30	50	40	500	6.265 650	<del>116,00</del>	<b>89,98</b>
60	50	50	58	500	6.265 651	<del>129,00</del>	<b>100,11</b>
80	70	50	77	300	6.265 652	<del>87,70</del>	<b>67,05</b>
120	120	58	77	300	6.265 653	<del>103,20</del>	<b>79,84</b>
250	150	97	52	154	6.265 654	<del>125,80</del>	<b>97,58</b>
450	350	97	110	132	6.265 655	<del>140,30</del>	<b>109,00</b>
900	700	120	138	64	6.265 656	<del>114,50</del>	<b>84,35</b>

## LLG-Sample containers, PS, with screw cap, sterile



With PE or /PP screw cap. Ideal for many applications as sample collection, transportation or storage.

- Non-cytotoxic
- EO sterilized
- 30 ml container with conical skirted bottom
- Ideal for small volume samples
- Leakproof-tested
- Unique leak tight cap ensures exceptional leak proof seal
- With plain label

-30%

Nominal capacity	Ø with Cover	Height	Material Lid	PK	Cat. No.	Price	Now
ml	mm	mm				EUR	EUR
7	22	48	PP	700	6.265 646	<del>159,10</del>	<b>111,37</b>
30	30	90	PP	50	6.265 647	<del>24,30</del>	<b>17,01</b>
60	43	58	PE	60	6.265 648	<del>36,10</del>	<b>25,27</b>

## Tube Rack, HDPE-coated steel



Chemically resistant racks. Mesh or slotted bottom prevent the sample vessels from falling through and enable the loaded rack to be transported. For use at temperatures from -40 to 121 °C. Autoclavable.

**-30%**

For tubes diam.	Dimensions (W x L x H)	Array	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
18	76 x 127 x 76	3 x 5	1	6.243 203	<del>46,80</del>	<b>32,76</b>
25	64 x 164 x 32	2 x 6	1	9.194 021	<del>33,90</del>	<b>23,73</b>
25	145 x 271 x 32	5 x 10	1	9.194 022	<del>43,90</del>	<b>30,73</b>
30	80 x 147 x 89	2 x 4	1	6.239 754	<del>47,80</del>	<b>33,46</b>
33	80 x 212 x 60	2 x 6	1	9.194 023	<del>33,90</del>	<b>23,73</b>
33	189 x 355 x 60	5 x 10	1	9.194 024	<del>47,00</del>	<b>32,90</b>
60	135 x 205 x 104	2 x 3	1	9.194 025	<del>44,50</del>	<b>31,15</b>

## LLG-Centrifuge Tubes economy, PP



- With flat PE caps
- With conical bottom (15 and 50 ml) or with self-standing bottom (50 ml)
- Easy-to-read black volume graduations
- With a large frosted writing area
- Engraved graduation at the conical bottom of each tube
- Max. rotate speed up to 12000 x g for conical bottom tubes and 6000 x g for self-standing tubes
- Autoclavable at 121 °C and freezable to -80 °C
- Leak-proof
- Free of heavy metals, pyrogens and endotoxins
- DNase/RNase-free
- Aseptically, bulk pack

**-30%**

Capacity	Diam.	Height	Form	PK	Cat. No.	Price	Now
ml	mm	mm				EUR	EUR
15	17	119.6	conical	500	6.270 403	<del>116,50</del>	<b>81,55</b>
50	30	113.9	conical	500	6.270 404	<del>129,30</del>	<b>90,51</b>
50	30	116.5	with rim	500	6.270 405	<del>155,90</del>	<b>109,13</b>

## Tube standing and drying racks, PP



Autoclavable, fiberglass-reinforced polypropylene racks are ideal for bench work or storage of test tubes. Allows easy viewing of tube contents. Does not float in water baths. User can also turn tubes as well as electrophoresis and chromatography plates upside-down and use as a drying rack. The flexible peg design is suitable for tubes with a diameter of 10 to 13 mm and 14 to 17 mm. Includes embossed indexing and drainage holes.

**-30%**

For tubes	Dimensions (W x L x H)	No. of pegs	Colour	PK	Cat. No.	Price	Now
	mm					EUR	EUR
10 ... 13 mm	126 x 182 x 69	96	White	1	6.243 210	<del>31,40</del>	<b>21,98</b>
10 ... 13 mm	126 x 182 x 69	96	Blue	1	6.243 211	<del>31,40</del>	<b>21,98</b>
14 ... 17 mm	104 x 188 x 69	50	White	1	6.243 212	<del>31,50</del>	<b>22,05</b>
14 ... 17 mm	104 x 188 x 69	50	Blue	1	6.243 213	<del>31,50</del>	<b>22,05</b>

## LLG-Test tubes, soda-lime glass



Test tubes with round bottom. Hydrolytic resistance: Class HGB 3 acc. to ISO 719, Type III acc. to C - USP.

**-30%**

Diam.	Length	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
10	100	100	6.801 073	<del>19,50</del>	<b>13,65</b>
12	100	100	7.607 198	<del>20,00</del>	<b>14,00</b>
14	130	100	6.800 620	<del>28,90</del>	<b>20,23</b>
16	130	100	6.800 382	<del>32,40</del>	<b>22,68</b>
16	160	100	7.600 405	<del>22,20</del>	<b>15,54</b>



## Funnel stands LaboPlast®, PP



White, unbreakable, chemically resistant. Good stability. Variable height adjustment up to 450 mm. Thanks to a magnet system, no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

With 2 or 4 aperture reduction inserts for small funnels. Suitable for funnels with diam. 40 to 180 mm.

**-14%**

To hold funnels piece	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
2	140 x 300 x 480	1	9.069 922	<del>82,80</del>	<b>70,84</b>
4	150 x 550 x 500	1	9.069 924	<del>111,80</del>	<b>93,55</b>

## LLG-Qualitative filter paper, circles



**Very fast, pore size 12 to 15 µm.**

- For coarse and voluminous precipitates like hydroxides and sulphides

**-30%**

Diam. mm	Filtration time secs.	PK	Cat. No.	Price EUR	Now EUR
90	10	100	9.045 830	<del>8,90</del>	<b>6,23</b>
110	10	100	9.045 831	<del>10,00</del>	<b>7,00</b>
125	10	100	9.045 832	<del>12,30</del>	<b>8,61</b>
150	10	100	9.045 833	<del>15,10</del>	<b>10,57</b>
185	10	100	9.045 834	<del>18,30</del>	<b>12,81</b>

## Funnels, DURAN®



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

**-30%**

Diam. mm	For filter paper diam. mm	Height mm	DIN	PK	Cat. No.	Price EUR	Now EUR
35	45 - 55	60	4798	1	9.251 123	<del>17,10</del>	<b>11,97</b>
45	55 - 70	80		1	9.251 128	<del>17,70</del>	<b>12,39</b>
55	70 - 90	95	4798	1	9.251 133	<del>25,10</del>	<b>17,57</b>
70	110 - 125	125		1	9.251 138	<del>24,80</del>	<b>17,36</b>
80	125 - 150	140		1	9.251 141	<del>26,30</del>	<b>18,41</b>
100	150 - 185	180	4798	1	9.251 146	<del>28,60</del>	<b>20,02</b>
120	185 - 240	210		1	9.251 023	<del>34,20</del>	<b>23,94</b>
150	240 - 270	265	4798	1	9.251 157	<del>49,90</del>	<b>34,93</b>
200	320 - 385	325		1	9.251 161	<del>95,20</del>	<b>73,23</b>

## LLG-Qualitative filter paper, folded filters



**Medium fast, pore size 5 to 8 µm.**

- For fast filtration with fine particles

**-30%**

Diam. mm	Filtration time secs.	PK	Cat. No.	Price EUR	Now EUR
70	50	100	7.659 027	<del>29,50</del>	<b>20,65</b>
125	50	100	9.045 825	<del>33,50</del>	<b>23,45</b>
150	50	100	9.045 826	<del>36,00</del>	<b>25,20</b>
185	50	100	9.045 827	<del>39,90</del>	<b>27,93</b>
240	50	100	6.242 632	<del>56,00</del>	<b>39,20</b>

## LLG-2in1 KITs with Screw Neck Vials



2in1 KITs contain 100 vials (1.5 ml) and 100 closures in an orange 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.

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



**-30%**

Type	Description	Cover type	PK	Cat. No.	Price	Now
					EUR	EUR
ND8 (small opening)	clear	Screw Cap, black, hole, Silicon white / PTFE red	100	6.238 965	<del>46,70</del>	<b>32,69</b>
ND9 (wide opening)	clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	<del>41,30</del>	<b>28,91</b>
ND9 (wide opening)	clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	<del>36,90</del>	<b>26,40</b>
ND9 (wide opening)	amber, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	6.266 871	<del>43,70</del>	<b>30,59</b>
ND11 (wide opening)	clear	Crimp Cap, silver, hole, Natural Rubber red-orange / TEF transparent	100	6.257 139	<del>23,40</del>	<b>16,38</b>

## Waste SafetyCaps



**NEW**

**Assortment**

With 3 standard ports, GL 45/DIN 45. Ideal for collecting liquid HPLC waste. The activated carbon in the exhaust filter binds all hazardous solvent vapours. Replacement of the exhaust filter after 6 months is recommended.

- With timestrip sticker
- Caps and fittings made of PP
- Body and hose barbs made of PTFE

**Please order exhaust filter separately.**

**-30%**

Connections	PK	Cat. No.	Price	Now
			EUR	EUR
2 x capillaries (2.3 ... 3.2 mm OD) / 1 x hose (7 ... 9 mm OD)	1	4.684 228	<del>61,60</del>	<b>43,12</b>

## Exhaust filters for Waste SafetyCaps, GL 14



The exhaust filter cleans the exhaust air of HPLC waste. The activated carbon in the exhaust filter is optimised for the absorption of organic solvent vapours. With timestrip sticker for timely replacement of the exhaust filter.

**-30%**

Life time	PK	Cat. No.	Price	Now
			EUR	EUR
3 months	2	4.684 241	<del>83,20</del>	<b>58,24</b>
6 months	2	4.684 242	<del>137,30</del>	<b>96,11</b>

## Syringes for GC autosampler



### from CTC

Syringes for CTC Analytics CombiPal and GC PAL.

- Needle tip: cone
- High reproducibility, low carry-over



Capacity	Needle length	Gauge (OD)	Needle Typ	PK	Cat. No.	Price
$\mu\text{l}$	mm	mm				EUR
10	50	26 (0.47)	fixed	1	7.671 795	<b>76,70</b>

### from Shimadzu

For Shimadzu AOC14, AOC17 and AOC20. Needle tip: cone.



Capacity	Needle length	Gauge (OD)	Needle Typ	PK	Cat. No.	Price
$\mu\text{l}$	mm	mm				EUR
5	42	23 (0.63)	fixed	1	6.205 990	<b>122,30</b>

### from Agilent

GC syringes for Agilent autosampler 7673, 7683 and 6850

- Two different needle diameter and tapered needles
- High reproducibility, low carry-over



Capacity	Needle length	Gauge (OD)	Needle Typ	PK	Cat. No.	Price
$\mu\text{l}$	mm	mm				EUR
10	42	23-26s (0.63/0.47)	fixed	1	6.226 427	<b>56,40</b>
10	42	23 (0.63)	fixed	6	6.050 962	<b>296,00</b>

### from Perkin-Elmer

GC syringes for all Perkin-Elmer autosampler e.g. Clarus.

- Two different needle diameter
- With a cone point style
- High reproducibility, low carry-over.



Capacity	Needle length	Gauge (OD)	Needle Typ	PK	Cat. No.	Price
$\mu\text{l}$	mm	mm				EUR
5	70	23 (0.63)	fixed	1	9.221 282	<b>116,30</b>
5	70	26 (0.47)	fixed	1	9.221 281	<b>116,30</b>
5 (Gas tight)	70	23 (0.63)	fixed	1	6.204 955	<b>117,50</b>

### from CTC/Thermo

Syringes for CTC Analytics CombiPal and GC PAL.

- With fixed or removable needle
- Two different needle diameters (needle tip: cone)
- High reproducibility, low carry-over
- Type A for Thermo TriPlus, Type B for Thermo TriPlus AS3000, AS2000, AS200/80



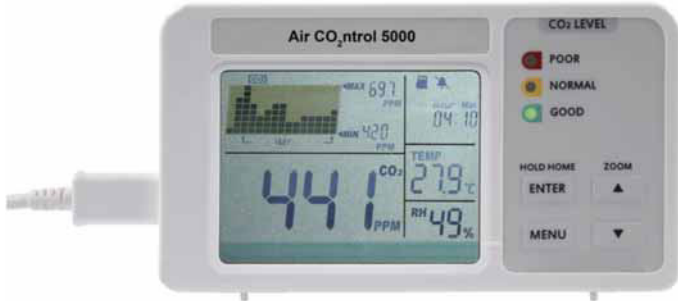
Type	Capacity	Needle length	Gauge (OD)	Needle Typ	PK	Cat. No.	Price
	$\mu\text{l}$	mm	mm				EUR
A	10	50	23 (0.63)	fixed	1	7.656 984	<b>97,20</b>
A	10	50	23 (0.63)	fixed	6	9.221 291	<b>373,80</b>
B*	10	50	26 (0.47)	removable	1	6.269 487	<b>117,50</b>
A	10 (Gas tight)	50	26 (0.47)	removable	1	7.629 523	<b>117,50</b>
A	25 (Gas tight)	50	23 (0.63)	fixed	1	7.628 136	<b>106,80</b>

\*also for Bruker (Varian)

## CO<sub>2</sub> Meter, Air CO<sub>2</sub>ntrol 5000



**With Logger Function**



With data logger function, ideal for monitoring the CO<sub>2</sub> concentration in buildings.

- Logger function saves the data as a CSV file on Micro SD card
- LEDs for visual identification of CO<sub>2</sub> concentration
- Displays temperature, Humidity and CO<sub>2</sub> content
- Individual alarm setting
- Bench- and wall mounting

**Scope of supply:** Meter incl. USB mains adapter, Micro SD card

### Specifications

<b>CO<sub>2</sub> range:</b>	0 ... 5000 ppm
Resolution:	1 ppm (0-1000 ppm), 5 ppm (1001-2000 ppm), 10 ppm (>2000 ppm)
<b>Temperature range:</b>	0 ... 50 °C
Resolution:	0.1 °C
<b>Relative humidity:</b>	5 ... 95 %
Resolution:	1 %
Display:	7 segment LCD
Housing:	Plastic
Dimensions:	120 x 66 x 33 mm
Weight:	103 g (without mains adapter)
Power supply:	100-240 VAC 50/60 Hz

**-9%**

Type	PK	Cat. No.	Price	Now
Air CO <sub>2</sub> ntrol 5000	1	6.291 253	EUR <del>146,00</del>	EUR <b>132,86</b>

## LLG-Digital pocket thermometer Type 12060



Measuring range -50 to +150 °C, accuracy ±1 °C. With hold function. Probe made of stainless steel, 125 x 3.5 mm, with protective plastic sleeve and clip, with battery 1 x 1.5 V (LR44). Dimensions (L x W): 60 x 20 mm.

**-25%**

Type	PK	Cat. No.	Price	Now
LLG-Digital pocket thermometer Type 12060	1	9.236 701	EUR <del>28,60</del>	EUR <b>21,42</b>

## Digital thermometer testo 915i Set



**Incl. 3 Probes**



The thermometer testo 915i is suitable for wireless temperature measurements in various applications. Quick and easy transmission of measurement data via Bluetooth®. With the free testo Smart App, all measurement data can be logged, temperature curves graphically displayed and results sent as PDF or CSV files.

- 1 measuring channel
- Automatic Bluetooth® connection to smartphones, tablets or testo measuring devices
- Secure fixation of the pluggable measuring probes

**Scope of supply:** Thermometer 915i, air probe, immersion/penetration probe, surface probe, storage bag testo Smart Case, batteries, calibration protocol

### Temperature range

Immersion/penetration probe:	-50 ... 400 °C
Air probe:	-50 ... 400 °C
Surface probe:	-50 ... 350 °C
Resolution:	0.1 °C
Sensor:	Type K (NiCr-Ni)
Power supply:	3 x AAA

Description	PK	Cat. No.	Price
testo 915i Set	1	4.681 906	EUR <b>166,00</b>

## LLG-Short period timer with alarm



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

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

**-30%**

Type	PK	Cat. No.	Price	Now
LLG-Short period timer with alarm	1	9.260 150	EUR <del>40,25</del>	EUR <b>7,18</b>



## pH-electrodes, BlueLine, not refillable

SI Analytics



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

### Specifications

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

**-16%**

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
					EUR	EUR
BlueLine 22 pH	-	Plug head	1	9.041 147	<del>127,00</del>	<b>106,68</b>
BlueLine 24 pH	NTC 30 kΩ	DIN + Banana	1	9.041 149	<del>247,00</del>	<b>207,48</b>
BlueLine 28 pH	Pt 1000	DIN + Banana	1	7.075 024	<del>251,00</del>	<b>210,84</b>

## pH electrodes BlueLine, refillable

SI Analytics



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

### Specifications

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

**-16%**

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
					EUR	EUR
BlueLine 11 pH	-	Plug head	1	9.041 140	<del>179,00</del>	<b>150,36</b>
BlueLine 12 pH	-	DIN	1	9.041 141	<del>185,00</del>	<b>155,40</b>
BlueLine 14 pH	NTC 30 kΩ	DIN + Banana	1	9.041 143	<del>280,00</del>	<b>235,20</b>

## Cable combinations

SI Analytics

For BlueLine pH electrodes, ScienceLine, IoLine and TopLine.

Cable length: 1 m coaxial cable.

Type	Connector	PK	Cat. No.	Price
				EUR
LB 1 A	DIN	1	9.041 303	<b>60,48</b>
LB 1 BNC	BNC	1	9.041 304	<b>60,48</b>

## IDS pH electrodes SenTix® 980

WTW  
a xylem brand



Precision pH electrodes with glass shaft and liquid electrolyte KCl 3 mol/l Ag+ free, with built-in temperature sensor NTC 30 kOhm. Cable length 1.5 m, SenTix® 980-P wireless-ready.

### Specifications

Temperature range:	0 ... 100 °C
pH range:	0 ... 14 pH
Length/diam.:	120 mm/12 mm
Electrolyte:	KCl 3 mol/l Ag+ free
Diaphragm:	Platinum wire
Membrane shape:	Cone
Membrane resistance at 25 °C:	< 600 MΩ

**-8%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
SenTix® 980	1	6.238 921	<del>304,00</del>	<b>278,77</b>
SenTix® 980-P	1	6.285 212	<del>304,00</del>	<b>278,77</b>

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

LLG  
LABWARE

### Easy Opening and Closure



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

- pH measuring range: 0 - 14
- 12 mm matching area for quick matches,
- Flip-top vial stays closed when dropped, but is easy to open with one-hand.
- Vial keeps strips safe from the elements
- 1 pack (vial) of 100 strips

**-30%**

Range	Package contents	PK	Cat. No.	Price	Now
				EUR	EUR
pH 0 ... 14	100 strips per vial with snap lid	100	9.129 808	<del>13,80</del>	<b>9,66</b>

## Mop system IsoClean



### Contactless Opening



IsoClean mini Mop system for cleanroom-compatible cleaning of safety cabinets and isolators

- Heat-stable special quality plastic
- Autoclavable
- With ClinoConnect Lock
- Suitable for all PPS mop handles

- Mop Clino One Way Ultra Mini PW-I
- single-use
  - pre-washed
  - gamma irradiated incl. certification
  - GMP class A/B
  - ISO class 5
  - 4 pieces double packed

**-13%**

Type	Width	Length	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Mop ClinoOneWay Ultra Mini	70	190	4	4.671 401	<del>65,30</del>	<b>45,71</b>
Mop holder Clino CR	50	190	1	4.671 402	<del>87,00</del>	<b>75,94</b>
Mop holder Clino GMP	50	190	1	4.671 404	<del>119,20</del>	<b>104,12</b>

## Telescopic handles



- Suitable for all PPS mop handles
- Tilting lever and hand grip made of PP, optical fiber reinforced
- Sleeve made of heat-stable special plastic
- Quick-release fastener made of stainless steel
- Autoclavable

**-13%**

Description	Material	Length	PK	Cat. No.	Price	Now
		mm			EUR	EUR
With tilting lever	Aluminium	500 ... 700	1	6.318 040	<del>44,80</del>	<b>39,12</b>
With tilting lever, with sleeve and quick-release fastener for ClinoConnect and ClinoConnect Lock	Aluminium	1000 ... 1800	1	4.668 000	<del>59,60</del>	<b>52,01</b>

## Transport Trolley, stainless steel



Transport trolley made of stainless steel. Rugged construction made from two tubular steel bar push handles, Ø 25 mm with welded deep drawn shelves with elevated perimeter flange inbetween. Shelves are bevelled by 35 mm all over, with flat safety return to the inside. Chassis with 4 swivel castors, 2 of them with brake, Ø 125 mm, antistatic. Massive plastic bumper protect against damage.

### Specifications

- Max. load per shelf: 40 kg  
 Shelf dimensions: 800 x 500 mm  
 External dimensions (W x D x H): 895 x 595 x 950 mm

**-8%**

Description	Load capacity	PK	Cat. No.	Price	Now
	kg			EUR	EUR
2 shelves, stainless steel case, 4 wheels	80	1	6.291 558	<del>651,80</del>	<b>596,76</b>
3 shelves, stainless steel case, 4 wheels	120	1	6.290 737	<del>702,60</del>	<b>643,26</b>

**Women and mens laboratory coats 1654**



- stand-up collar
- with press studs
- long sleeved
- two side pockets are provided
- one outer breast pocket
- without belt at the back

Material: 100 % Cotton  
65 % PES/35 % Cotton  
Colour: white  
Weight: approx. 205 g/m<sup>2</sup>  
approx. 215 g/m<sup>2</sup>  
Length: approx. 103 cm

**-30%**

Size	Material	PK	Cat. No.	Price	Now
				EUR	EUR
XS	100 % cotton	1	6.272 965	<del>48,60</del>	<b>34,02</b>
S	100 % cotton	1	6.289 933	<del>48,60</del>	<b>34,02</b>
M	100 % cotton	1	6.289 934	<del>48,60</del>	<b>34,02</b>
L	100 % cotton	1	6.289 935	<del>48,60</del>	<b>34,02</b>
XL	100 % cotton	1	6.272 966	<del>48,60</del>	<b>34,02</b>
XS	65 % PES / 35 % Cotton	1	9.414 326	<del>46,30</del>	<b>32,41</b>
S	65 % PES / 35 % Cotton	1	9.414 327	<del>46,30</del>	<b>32,41</b>
M	65 % PES / 35 % Cotton	1	9.414 328	<del>46,30</del>	<b>32,41</b>
L	65 % PES / 35 % Cotton	1	9.414 329	<del>46,30</del>	<b>32,41</b>
XL	65 % PES / 35 % Cotton	1	9.414 330	<del>46,30</del>	<b>32,41</b>
XXL	65 % PES / 35 % Cotton	1	9.414 331	<del>46,30</del>	<b>32,41</b>

**LLG-Working and Chemical Protective Apron Guttasyn®, PVC/PE, light grey**



PVC front, PE fabric back. With plastic fabric ribbon. For use in chemical and food industry, as well as in health care. PVC surface is easy to clean, hygienic and dirt repellent. Liquids are not absorbed, but run off the surface.

- Washable up to 60 °C
- PPE category III acc. to EU 2016/425
- Meets the requirements of EN 14605:2005 + A1:2009, EN ISO 13688:2013 (type PB [3] and PB [4])

**-30%**

Width	Length	Thickness	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
800	1000	0.45	1	4.687 061	<del>21,40</del>	<b>21,98</b>
800	1200	0.50	1	4.687 062	<del>22,30</del>	<b>22,61</b>
1000	1200	0.45	1	4.687 063	<del>36,60</del>	<b>25,62</b>

**Plaster Dispenser QuickFix**



9.733 808



9.733 825

QuickFix plaster dispenser system completely equipped with two refill packs with 45 waterproof plasters each, fixing material and key for theft protection. The dispenser can also be refilled with other types of plasters from the QuickFix range.

Dimensions (H x W x D): 133.5 x 232.5 x 33 mm. High standard of hygiene due to completely and individually packed plaster strips. Optimal protection of the plasters against external contamination.

For refilling:

- QuickFix refill pack with 45 waterproof plaster strips.
- QuickFix Elastic Long Refill - Refill pack textile finger bandages

For multiple wrapping around the finger. Particularly elastic finger bandages made of textile fabric, breathable and adaptable. 30 pieces in a refill pack.

**-8%**

Description	PK	Cat. No.	Price	Now
			EUR	EUR
QuickFix plaster dispenser including two water-resistant plaster refills	1	9.733 808	<del>26,70</del>	<b>25,10</b>
QuickFix plaster dispenser including two finger dressing refills	1	4.661 250	<del>30,40</del>	<b>28,04</b>
QuickFix water resistant plaster refill containing 45 plasters	1	9.733 809	<del>6,55</del>	<b>5,29</b>
QuickFix 30-parts finger dressing	1	9.733 825	<del>8,80</del>	<b>6,57</b>

## LLG-Safety Eyeshields *classic*

**!** High-quality and Cost-efficient



- CE approved to EN166 and EN170
- Integrated side-lenses with vents, 180° field of vision
- Frame made of tested hypo-allergenic material
- Side arms adjustable in length and inclination
- 100 % UV protection (up to 380 nm)
- Weight: 34 g only

**-30%**

Colour	Lens	PK	Cat. No.	Price	Now
Blue	Clear, anti-scratch lens, 2C-1.2 U 1 F CE	1	9.006 001	EUR <del>7,00</del>	EUR <b>4,90</b>

## LLG-Protective Visor with chin protection



- Transparent 1 mm Flip-up protective polycarbonate visor
- 100 % UV protection (to 380 nm)
- Head holder adjustable with elastic band
- Height adjustable head holder
- Can be worn over glasses and protective masks
- Weight: 224 g

**-30%**

Description	PK	Cat. No.	Price	Now
LLG-Face visor with chin protection	1	6.284 958	EUR <del>17,80</del>	EUR <b>12,46</b>

## Safety Eyeshields uvex x-fit



**!** Scratch-resistant



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

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

uvex **supravisoin sapphire** coated lenses are excellent scratch resistance

**-30%**

Colour	Lens	PK	Cat. No.	Price	Now
blue	transparent/UV 2-1.2, sv excellence	1	4.664 173	EUR <del>19,80</del>	EUR <b>13,86</b>
grey	transparent/UV 2-1.2, sv sapphire	1	4.664 174	EUR <del>17,40</del>	EUR <b>12,18</b>
grey	amber/UV 2-1.2, sv excellence	1	4.664 175	EUR <del>24,00</del>	EUR <b>16,80</b>

## Lens Cleaning Tissues 9963



- Suitable for all uvex lenses
- Silicone-free
- 100 individually sealed tissues in a box
- Incl. clip for wall mounting



**-30%**

Description	PK	Cat. No.	Price	Now
Cleaning tissues 9963	100	6.200 654	EUR <del>37,90</del>	EUR <b>26,53</b>



## Disposable Gloves Microflex® 93-260, nitrile neoprene



- High wearing comfort
- High chemical protection



Particularly thin disposable Gloves. Tough chemical protection unparalleled comfort. Three layer design for superior protection against harsh chemicals, including acids, solvents and bases. Thin mil construction provides enhanced dexterity and flexibility for longer wear time. Extra soft material and ergonomic design for outstanding fit, feel and flexibility for longer wear time. Lower acceptable pinhole rate (0.65 AQL) and extended cuff for reliable protection against hazardous substances. Thickness 0.20 mm Silicone free formulation and processing ensure better product protection. **Cat. III**

According to EN ISO 374-1:2016/Type A, EN ISO 374-5:2016, EN 421, EN 388

**-30%**

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
XS	300	50	6.285 431	<del>42,50</del>	<b>29,75</b>
S	300	50	6.285 432	<del>42,50</del>	<b>29,75</b>
M	300	50	6.285 433	<del>42,50</del>	<b>29,75</b>
L	300	50	6.285 434	<del>42,50</del>	<b>29,75</b>
XL	300	50	6.285 435	<del>42,50</del>	<b>29,75</b>
XXL	300	50	6.285 436	<del>42,50</del>	<b>29,75</b>

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



- Top-Seller
- High Quality



Disposable protective gloves made of nitrile, which combines the pleasant wearing properties and high tactile sensitivity of latex with the protective function of nitrile. No allergy risk! The ideal glove for all applications where good tactile sensitivity and protection against chemicals is desired.

- **Thin - very comfortable to wear!**
- Very good tactile sensitivity - comparable to latex
- Proven quality product made of nitrile - excellent resistance to skin-irritating substances in foodstuffs
- Higher durability due to special formulation
- Free of phthalates/plasticisers and allergenic latex proteins
- Easy to put on and particularly skin-friendly due to special after-treatment
- Suitable for all areas subject to HACCP standards
- **Cat. III against low chemical hazard. AQL 1.5.**

According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 420 Food safe.

Glove shape:	flat with rolled edge (ambidextrous)
Material:	nitrile
Colour:	lavender blue
Outside:	textured fingers
Inside:	powder-free halogenated
Size:	XS, S, M, L, XL
Thickness (measured in double layer):	<b>0.12 mm</b>

**-30%**

Size	PK	Cat. No.	Price	Now
			EUR	EUR
XS	200	9.006 370	<del>39,50</del>	<b>27,65</b>
S	200	9.006 371	<del>39,50</del>	<b>27,65</b>
M	200	9.006 372	<del>39,50</del>	<b>27,65</b>
L	200	9.006 373	<del>39,50</del>	<b>27,65</b>
XL	180	9.006 374	<del>39,50</del>	<b>27,65</b>

## LLG-Glove dispenser for 1 or 3 boxes, acrylic glass

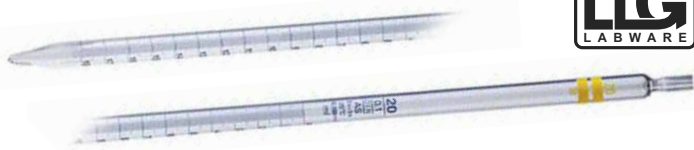


LLG glove dispensers are suitable for glove packs with the dimensions approx. 240 x 75 x 125 mm, with front insert or side slot. High-quality, sturdy design. Mounting material included.

**-30%**

Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
				EUR	EUR
side slot, sturdy material	250 x 85 x 136	1	6.286 594	<del>45,00</del>	<b>31,50</b>
front insert, flexible material	260 x 90 x 405	1	9.405 373	<del>79,00</del>	<b>55,30</b>
side slot, sturdy material	280 x 87 x 460	1	9.405 374	<del>67,20</del>	<b>47,04</b>

## LLG-pipettes, soda glass, class AS, blue graduated, type 3



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

**-30%**

Nominal capacity	Graduations	Tolerance	Length	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
1	0.01	0.007	360	10	6.272 200	<del>38,20</del>	<b>26,74</b>
2	0.02	0.01	360	10	6.272 201	<del>39,30</del>	<b>27,51</b>
5	0.05	0.03	360	10	6.272 202	<del>43,90</del>	<b>30,73</b>
10	0.1	0.05	360	10	6.272 203	<del>46,20</del>	<b>32,34</b>
20	0.1	0.1	450	10	6.272 204	<del>69,90</del>	<b>48,93</b>
25	0.1	0.1	450	10	6.272 205	<del>71,40</del>	<b>49,98</b>
50	0.1	0.2	720	10	6.272 206	<del>116,60</del>	<b>83,44</b>

## LLG-Safety pipette bulb, rubber, red



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

**-30%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Safety pipette bulb, universal	1	6.270 266	<del>10,72</del>	<b>7,50</b>

## Safety pipette bulb Howorka-Ball®



- no rigid connection with tube
- no valves or side vent on tubes
- suitable for all standard tube diameters, including pipettes, burettes, filter tubes etc.
- no unstable air pockets
- long operational life due to durable components
- Easily cleaned and steam sterilized if contaminated with liquids

**-30%**

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
20	1	9.273 826	<del>42,50</del>	<b>29,75</b>
50	1	9.273 827	<del>59,40</del>	<b>41,18</b>

## Macropipette controllers



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

**-30%**

For	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette volume up to 2 ml	1	4.008 322	<del>14,50</del>	<b>10,15</b>
Pipette volume up to 10 ml	1	4.008 323	<del>14,50</del>	<b>10,15</b>
Pipette volume up to 25 ml	1	4.008 324	<del>16,10</del>	<b>11,27</b>

## Pipette stand, vertical, PP



The pipette carousel can be rotated 360° and can hold up to 94 pipettes. The pipettes are placed vertically in the stand. The base plate has a raised edge which catches dripping liquids.

**-30%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette stand, vertical	1	9.273 895	<del>57,80</del>	<b>40,46</b>

## Single channel pipette Tacta



SARTORIUS



- Ergonomic handling
- Low effort
- Easy cleaning



- Low force for pipetting and tip ejection
- Optoload function for easy tip loading with perfect tip seal
- The unique Sartorius Optilock system offers flexibility for volume adjustment and locking function
- Completely autoclavable, without disassembly

**-16%**

Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	PK	Cat. No.	Price	Now
µl	µl					EUR	EUR
0.1 - 3	0.002	1.30	0.80	1	6.284 794	<del>351,00</del>	<b>294,84</b>
0.5 - 10	0.01	1.00	0.60	1	6.282 658	<del>351,00</del>	<b>294,84</b>
2 - 20	0.02	0.90	0.40	1	7.645 491	<del>351,00</del>	<b>294,84</b>
10 - 100	0.10	0.80	0.15	1	6.282 657	<del>351,00</del>	<b>294,84</b>
20 - 200	0.20	0.60	0.15	1	7.645 492	<del>351,00</del>	<b>294,84</b>
100 - 1000	1.00	0.70	0.20	1	6.282 656	<del>351,00</del>	<b>294,84</b>

## LLG-Labware pipette tips, economy 2.0, PP



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

**-30%**

Capacity	Colour	Package contents	PK	Cat. No.	Price	Now
µl					EUR	EUR
0.1 ... 10	transparent	1000 tips in bag	1000	4.668 775	<del>18,70</del>	<b>13,09</b>
0.1 ... 10	transparent	10 x 96 tips in rack	960	4.668 776	<del>57,50</del>	<b>40,25</b>
1 ... 200	yellow	1000 tips in bag	1000	4.668 777	<del>15,50</del>	<b>10,85</b>
1 ... 200	yellow	10 x 96 tips in rack	960	4.668 779	<del>57,70</del>	<b>40,39</b>
100 ... 1000	blue	1000 tips in bag	1000	4.679 861	<del>16,70</del>	<b>11,69</b>
100 ... 1000	blue	8 x 96 tips in rack	768	4.668 783	<del>42,40</del>	<b>29,68</b>

## Pipette stands Flip & Grip™ for single and multi-channel microliter pipettes

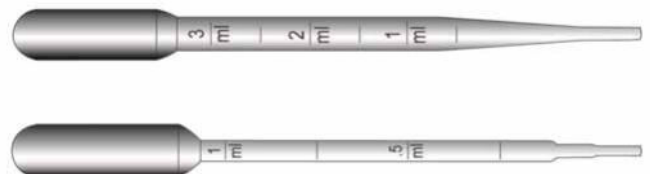


The flexible and space-saving solution for your laboratory. Unique pipette carousel for use on the work surface or hanging under the shelf or in your workbench. For 12 single-channel pipettes or the combination of 3 single-channel and 3 multi-channel pipettes. Suitable for pipettes of the most popular brands. Rubber clamps prevent scratching of the pipettes. Includes a fixing screw for mounting under a shelf or inside the workbench. Dimensions (W x H) : 193 x 332 mm for use on the work surface and 193 x 187 mm for overhead mounting.

**-30%**

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
Blue	1	9.194 002	<del>130,70</del>	<b>91,49</b>
Lime	1	9.194 003	<del>124,50</del>	<b>87,15</b>
Magenta	1	9.194 004	<del>124,50</del>	<b>87,15</b>

## LLG-Pasteur Pipettes, PE



Manufactured from transparent PE. Sterile or non-sterile. Graduated.

**-30%**

Type	Capacity	Length	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
non-sterile	1	150	500	4.672 670	<del>30,50</del>	<b>21,35</b>
non-sterile	3	150	500	4.672 671	<del>21,70</del>	<b>15,19</b>
sterile, single wrapped	1	150	1000	9.401 085	<del>88,70</del>	<b>63,28</b>
sterile, single wrapped	3	150	1000	9.401 084	<del>91,30</del>	<b>63,91</b>

## LLG-Wash bottles, narrow neck, PE



Made of translucent polyethylene. The dispensing tip can be cut back to regulate the flow rate.

**-30%**

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
500	10	9.223 511	<del>52,00</del>	<b>36,40</b>
1000	10	9.223 512	<del>73,00</del>	<b>51,10</b>

## LLG-Buckets, PP



White. With lid and temper-evident closure. For transport, packaging and storage of foodstuffs, building materials and non-corrosive chemicals. Stability guaranteed when filling up with material up to 80 °C.

**-30%**

Capacity	Diam.	Height	PK	Cat. No.	Price	Now
Litres	mm	mm			EUR	EUR
1	131	127	10	6.291 418	<del>16,00</del>	<b>11,20</b>
2	179	133	10	6.291 419	<del>35,00</del>	<b>24,50</b>
3	198	141	10	6.291 420	<del>44,00</del>	<b>30,80</b>
5	224	193	10	6.291 421	<del>56,00</del>	<b>39,20</b>
10	266	265	10	6.291 422	<del>90,00</del>	<b>63,00</b>

## Cylindrical jars with ribbed cap, HDPE



**Kartell**



The cylindrical jars are supplied with insert and cap. Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

**-30%**

Nominal capacity	Ext. diam.	Neck i. d.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
70	50	36	60	10	4.672 397	<del>21,50</del>	<b>15,05</b>
120	56	36	71	10	4.672 394	<del>23,50</del>	<b>16,45</b>
250	69	50	94	10	4.672 395	<del>24,00</del>	<b>16,80</b>
500	86	70	107	10	4.672 396	<del>29,50</del>	<b>20,65</b>
1000	111	85	128	10	4.672 393	<del>41,00</del>	<b>28,70</b>
1500	111	87	182	10	9.073 444	<del>38,00</del>	<b>26,60</b>
2000	111	87	235	10	9.073 446	<del>43,00</del>	<b>30,10</b>

## Scintillation vials, PE

**Kartell**



Unbreakable vials compatible with all liquid scintillation counters. Heavy walled to minimize solvent losses. Special PP screw cap to achieve leakproof closure (Cat. Art. 6.204 304). Insert vials, capacity of 4 ml, supplied with screw caps, (Cat. Art. 6.901 743).

**-30%**

Nominal capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
20	26.50	60.1	1000	6.204 304	<del>314,00</del>	<b>219,80</b>
4	13.71	53.6	2000	6.901 743	<del>290,80</del>	<b>203,56</b>



## Bottle-top dispensers Calibrex™ solutae 530/Calibrex™ universal 520



- High chemical resistance
- Smooth dispensing

Calibrex *solutae* 530 dispensers have a PFA coated plunger preventing plunger and barrel from seizing together. This enables trouble free distribution of salt solutions, weak and strong acids, as well as bases.

- 45/32 mm base thread
- Integrated calibration system
- Autoclavable at 121 °C fully assembled

### Scope of delivery:

Delivery jet and stopper, feed tube, 3 alternative adapters (25, 28, 32 mm for 1 and 2.5 ml versions; 28, 32, 40 mm for 5 and 10 ml version; 32, 38, 40 mm from 25 ml onwards), QC certificate and operating instructions

### Scope of supply Calibrex™ universal 520:

Bottle-top dispenser, delivery jet and stopper, feed tube, 3 adapters (28, 40, 45 mm), QC certificate, operating instruction



solutae 530

universal 520

**-29%**

Type	Volume	Graduations	Recycle valve	PK	Cat. No.	Price	Now
	ml	ml				EUR	EUR
<i>solutae</i> 530	0.5 - 5	0.1	without	1	6.281 545	<del>365,00</del>	<b>286,68</b>
<i>solutae</i> 530	1 - 10	0.2	without	1	6.281 546	<del>365,00</del>	<b>286,68</b>
<i>solutae</i> 530	2.5 - 25	0.5	without	1	9.411 565	<del>466,70</del>	<b>366,53</b>
<i>solutae</i> 530	5 - 50	1.0	without	1	9.411 566	<del>512,70</del>	<b>402,67</b>
<i>solutae</i> 530	10 - 100	1.0	without	1	6.258 446	<del>590,00</del>	<b>463,39</b>
<i>solutae</i> 530	0.5 - 5	0.1	with	1	6.281 549	<del>419,70</del>	<b>329,63</b>
<i>solutae</i> 530	1 - 10	0.2	with	1	6.281 550	<del>419,70</del>	<b>329,63</b>
<i>solutae</i> 530	2.5 - 25	0.5	with	1	6.261 221	<del>521,50</del>	<b>409,58</b>
<i>solutae</i> 530	5 - 50	1.0	with	1	6.261 222	<del>567,50</del>	<b>445,70</b>
<i>solutae</i> 530	10 - 100	1.0	with	1	6.261 223	<del>644,80</del>	<b>506,42</b>
<i>universal</i> 520	1 - 5	0.1	without	1	9.411 530	<del>355,20</del>	<b>253,61</b>
<i>universal</i> 520	1 - 10	0.2	without	1	9.411 531	<del>355,20</del>	<b>253,61</b>

## Griffin beakers, PP

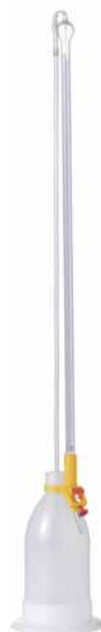


Highly transparent. With spout and easily readable, raised blue printed scale. To preserve markings, cleaning at no higher than 60 °C is recommended. Food-safe product according to regulation (EU) No. 10/2011.

**-30%**

Nominal capacity	Grad.	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	ml	mm	mm			EUR	EUR
100	10	55	70	12	4.667 575	<del>24,60</del>	<b>17,22</b>
150	20	66	80	12	4.667 574	<del>30,60</del>	<b>21,42</b>
250	25	77	95	6	4.667 577	<del>17,40</del>	<b>12,18</b>
400	50	87	112	6	4.667 584	<del>23,70</del>	<b>16,59</b>
500	50	94	118	6	4.667 583	<del>24,00</del>	<b>16,80</b>
600	50	100	127	6	4.667 573	<del>25,20</del>	<b>17,64</b>
1000	100	120	147	6	4.667 582	<del>36,30</del>	<b>25,41</b>
2000	200	149	187	6	4.667 585	<del>66,00</del>	<b>46,20</b>

## Automatic burettes acc. to Schilling pattern, blue graduation, DURAN®



Fast flow burette with 500 ml plastic reservoir bottle (up to 10 ml) or 1000 ml (up to 15 ml). Schellbach stripe and graduation in high contrast blue enamel, scale length approx. 330 mm.



**-30%**

Capacity	Grad.	Tolerance	Bottle size	Scale length	PK	Cat. No.	Price	Now
ml	ml	± ml	ml	approx. mm			EUR	EUR
10	0.05	0.045	500	330	1	7.510 426	<del>86,90</del>	<b>60,83</b>
15	0.1	0.045	1000	330	1	6.223 256	<del>85,60</del>	<b>59,92</b>
25	0.1	0.075	1000	330	1	7.510 427	<del>94,40</del>	<b>66,08</b>
50	0.1	0.075	1000	550	1	6.070 072	<del>99,40</del>	<b>69,58</b>

## Square shape laboratory bottles, DURAN®, with retrace code



The DURAN® square bottle fits particularly well and securely in the hand thanks to its angular shape.

- Excellent chemical resistance
- Can be sterilised to 140 °C. Before autoclaving, unscrew closure and set lightly on the container. Do not tighten the closure
- Freezer limit: -40 °C. Only freeze the bottle by laying at an angle and if maximum ¾ full
- Ergonomic shape
- Very stable
- With Retrace code (Batch identification). Certificate available via the Internet
- Neutral glass/Type I glass acc. to USP/EP and JP

**-30%**

Capacity	Width	Height*	Neck thread	PK	Cat. No.	Price	Now
ml	mm		GL			EUR	EUR
100	50	109	32	1	9.072 076	<del>12,60</del>	<b>8,82</b>
250	64	143	45	1	9.072 077	<del>14,10</del>	<b>9,87</b>
500	78	181	45	1	9.072 078	<del>17,00</del>	<b>11,90</b>
1000	94	222	45	1	9.072 079	<del>24,20</del>	<b>16,94</b>

\*Height mm incl. cap

## Laboratory Bottle system DURAN® YOUTILITY



- Innovative design
- Safe handling



- Specially shaped gripping zones on both sides of the bottle for easier and safer handling
- With the new YOUTILITY bottle thread opening or closing the bottle is significantly faster. The thread is fully compatible with DIN GL 45 closures and other accessories
- Nominal volume is shown at the top of the easy-to-read graduation scale for fast determination of the volumes
- Glass bottle body is moulded from the tried and tested DURAN® borosilicate 3.3 Type 1 neutral glass. DURAN® glass offers very good chemical resistance and high temperature resistance
- The YOUTILITY bottle has an integrated Retrace Code to allow full product traceability. The lot specific certificate of conformance is available at: [www.duran-group.com](http://www.duran-group.com)
- Each DURAN® YOUTILITY bottle is supplied as a complete system, with a pouring ring (cyan polypropylene) and a GL 45 cap (cyan polypropylene)

**-23%**

Capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
125	55	124	4	9.071 679	<del>36,50</del>	<b>28,08</b>
250	66	158	4	9.071 678	<del>40,80</del>	<b>31,36</b>
500	78	193	4	9.071 677	<del>50,70</del>	<b>38,99</b>
1000	93	253	4	9.071 676	<del>71,60</del>	<b>55,08</b>

## Disposable culture tubes, soda-lime glass, with screw cap



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



**-23%**

Capacity	Outer diam.	Height	DIN-Thread	PK	Cat. No.	Price	Now
ml	mm	mm	GL			EUR	EUR
6	12	100	14	100	7.021 547	<del>55,50</del>	<b>42,73</b>
12	16	100	18	100	7.021 548	<del>59,50</del>	<b>45,78</b>
22	16	160	18	100	7.021 549	<del>73,10</del>	<b>56,28</b>
32	18	180	18	100	7.021 550	<del>85,30</del>	<b>65,67</b>

## Baffled flasks DURAN®



With GL 45 thread

- Oxygen introduction is often a limiting factor for cell growth.
- Baffled flasks cause a turbulent flow, increase the gas exchange surface and produce a higher oxygen transfer.
- Automated one-step production enables a reproducible and comparable result.
- Complete with membrane screw cap (gas exchange).

**-30%**

Capacity	Bottom diam.	Neck diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
250	85	30	145	1	9.141 260	<del>28,00</del>	<b>19,60</b>
500	105	30	180	1	9.141 261	<del>31,50</del>	<b>22,05</b>
1000	136	30	221	1	9.141 263	<del>40,30</del>	<b>28,21</b>

## Laboratory mats, silicone



**DEUTSCH & NEUMANN** since 1872



- Non-slip
- Withstands temperatures up to 260 °C
- Available in black or red

**-30%**

Colour	Width	Depth	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Red	250	250	1	9.390 090	<del>22,10</del>	<b>15,47</b>
Black	250	250	1	9.390 091	<del>22,10</del>	<b>15,47</b>
Red	350	350	1	9.390 092	<del>37,50</del>	<b>26,25</b>
Black	350	350	1	9.390 093	<del>37,50</del>	<b>26,25</b>

## LLG-Petri dishes, PS



**Made in EU**

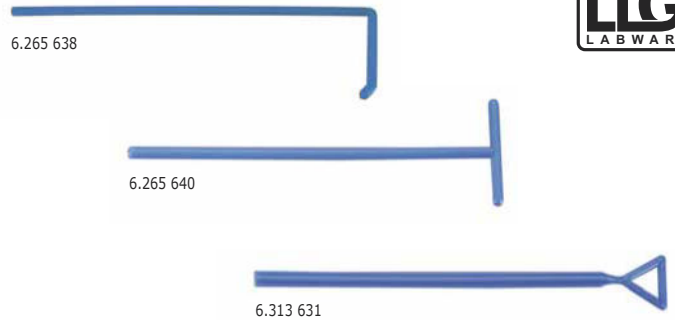
Made of high quality optical clear polystyrene. Produced under aseptic conditions in an ISO 6 cleanroom.

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

**-30%**

Ext. diam. mm	Description	Height approx. mm	PK	Cat. No.	Price EUR	Now EUR
90	with triple vents, aseptic	16	480	6.285 823	<del>70,20</del>	<b>49,14</b>
90	without vents, aseptic	16	480	6.285 824	<del>70,20</del>	<b>49,14</b>
90	with triple vents, sterile	16	480	6.285 816	<del>82,30</del>	<b>57,61</b>
90	without vents, sterile	16	480	6.285 817	<del>82,30</del>	<b>57,61</b>
60	with triple vents, sterile	14	1080	4.678 371	<del>150,20</del>	<b>105,14</b>
60	without vents, sterile	14	1080	4.678 372	<del>150,20</del>	<b>105,14</b>
150	with triple vents, sterile	19	140	4.680 144	<del>127,60</del>	<b>89,32</b>

## LLG-spatulas, sterile



Ideal for the uniform spreading of cell cultures and liquids.

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

**-30%**

Description	Width mm	Length mm	Package contents	PK	Cat. No.	Price EUR	Now EUR
L-shaped, ABS	38	156	50 x 10	500	6.265 638	<del>60,00</del>	<b>42,00</b>
L-shaped, ABS	38	156	individually packed	500	6.265 639	<del>84,60</del>	<b>59,22</b>
T-shaped, ABS	34	140	50 x 10	500	6.265 640	<del>60,00</del>	<b>42,00</b>
T-shaped, ABS	34	140	individually packed	500	6.265 641	<del>84,60</del>	<b>59,22</b>
Triangle-shaped, PP	30	208	10 x 10	100	6.313 631	<del>27,80</del>	<b>24,70</b>

## Inoculating Turntable



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

**-30%**

Description	PK	Cat. No.	Price EUR	Now EUR
Inoculating Turntable	1	6.286 850	<del>409,90</del>	<b>286,93</b>

## Sealing films, BRAND Seal-R-film™



- Very elastic
- High Quality



Seal-R-film™ sealing film seals beakers, flasks, and other vessels. The sealing film can be stretched to three times its original length and therefore fits even irregular shapes.

- Protects against evaporation, leakage, and contamination
- Lot identification of each roll

**-30%**

Width mm	Length m	Thickness mm	Temp. range °C	PK	Cat. No.	Price EUR	Now EUR
50	75	0,14 ± 0,02	-20 ... 46	1	9.170 022	<del>45,50</del>	<b>31,85</b>
100	38	0,14 ± 0,02	-20 ... 46	1	9.170 021	<del>43,90</del>	<b>30,73</b>
100	75	0,14 ± 0,02	-20 ... 46	1	9.170 023	<del>87,70</del>	<b>61,39</b>
500	15	0,14 ± 0,02	-20 ... 46	1	9.170 024	<del>108,70</del>	<b>76,09</b>

## Aspirator LLG-uniVACUUSYS



- Complete system
- 4 litres waste bottle

- Integrated vacuum pump with vacuum control
- Easy to use
- Self-closing connectors for quick installation and prevention of liquid or aerosol escape
- **Liquid level sensor**, prevents liquid overflow
- Autoclavable waste collection bottle and nozzle



### Scope of supply:

Vacuum Aspiration System with integrated vacuum pump, 4 liter waste collection bottle, single channel needles and 8-channel needle aspirator handles, single channel and 8-channel adaptor for 200 µl pipette tips, single channel adaptor for 1000 µl pipette, tubing and quick-connectors

### Specifications

Vacuum range:	0 ... 600 mbar (adjustable)
Aspiration rate:	1 ... 15 ml/s
Noise emission:	<50 dB(A)
Dimensions (W x D x H):	180 x 320 x 530 mm
Weight:	3.4 kg
Power supply:	100 ... 240 V, 50/60 Hz

**-30%**

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniVACUUSYS	EU	1	6.263 585	<del>1,270,00</del>	<b>889,00</b>
LLG-uniVACUUSYS	UK	1	6.263 586	<del>1,270,00</del>	<b>889,00</b>

## Cell Scrapers, sterile



Material blades TPE and handle ABS.

- Particularly thin, swivelling, flexible blades
- Sterilized by gamma irradiation
- Individually wrapped
- Pyrogen-free

**-27%**

Description	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
Scraper, 20 mm	250	100	4.672 560	<del>73,60</del>	<b>53,66</b>
Scraper, 30 mm	390	100	4.672 562	<del>107,90</del>	<b>78,69</b>

## Cell Culture Flasks DURAN® TILT



DURAN® TILT has been specially developed for safe and easy work in biosafety benches and clean air bonnets. The new DURAN® TILT bottle can be used in two positions: Upright for filter sterilisation or storage, and tilted at 45° for easy pipetting.

- The GL 56 opening provides 100 % more surface area than the standard GL 45 opening for easier pipetting.
- The bottle is vacuum-tight, making it ideal for safe filter sterilisation of media.
- Made of DURAN® borosilicate glass 3.3 can be reused and thus reduces costs in the product life cycle

**-30%**

Capacity	Height with cap	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
500	151	1	6.270 514	<del>13,50</del>	<b>9,45</b>

## Cell culture flasks, treated, GL 45, PS, sterile



- Innovative angled neck design offers good pipette and cell scraper access
- Stackable
- Special writing area near the neck
- Sterilized by gamma irradiation
- Pyrogen-free
- Individually packed in resealable outer packaging with zip fastener

**-30%**

Working volume	Culture surface	Cover type	PK	Cat. No.	Price	Now
ml	cm <sup>2</sup>				EUR	EUR
20	12.5	standard	200	4.675 617	<del>153,60</del>	<b>107,52</b>
20	12.5	vented	200	4.675 618	<del>173,60</del>	<b>121,52</b>
40	25.0	standard	200	4.675 619	<del>123,50</del>	<b>91,76</b>
40	25.0	vented	200	4.675 620	<del>130,10</del>	<b>113,16</b>
75	75.0	standard	100	4.675 621	-	<b>106,70</b>
250	75.0	vented	100	4.685 976	-	<b>123,35</b>
800	300.0	standard	18	6.314 340	-	<b>65,06</b>
800	300.0	vented	18	6.314 339	<del>84,30</del>	<b>71,36</b>



## Cooling Block Systems, FreezeBox™



- For easy sample cooling
- Modular system

FreezeBox™ is a new, energy-saving, environmentally friendly and safe cooling equipment, without additives. The system can be used ice-free, is lightweight, easy to transport and ideal for the collection and storage of biological samples. It can be combined with interchangeable cores and different tube modules. Cooling cores can be tempered in a refrigerator or freezer and inserted into the FreezeBox™. For operation with dry ice, leave out the cooling core and fill with 200 g dry ice instead.

- For use with cooling core, ice or dry ice
- Easy to clean and disinfect
- Durable, suitable for frequent use
- Easy to mount

Type	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
FreezeBox™	With freeze core, -18 °C ... -4 °C and CM-01-module	152 x 170 x 123	1	4.665 859	<b>199,08</b>
FreezeBox™	With freeze core, -18 °C ... -4 °C and CM-02-module	152 x 170 x 123	1	4.665 860	<b>199,08</b>
FreezeBox™	With freeze core, -18 °C ... -4 °C and CM-03-module	152 x 170 x 123	1	4.665 861	<b>199,08</b>
FreezeBox™	Empty FreezeBox™	152 x 170 x 123	1	4.665 849	<b>107,09</b>
Cooling core	For -0.5 °C ... 4 °C	105 x 100 x 26	1	4.665 850	<b>33,18</b>
Freeze core	For -18 °C ... -4 °C	105 x 100 x 26	1	4.665 851	<b>33,18</b>
CM-01-module	For 30 x 2 ml tubes, Ø 12.6	119 x 101 x 38	1	4.665 852	<b>76,02</b>
CM-02-module	For 48 x 1.5 ml tubes, Ø 11	119 x 101 x 38	1	4.665 853	<b>76,02</b>
CM-03-module	For 30 x 5 ml tubes, Ø 13.5	119 x 101 x 38	1	4.665 854	<b>76,02</b>
CM-04-module	For 96 PCR-tubes, Ø 7	119 x 101 x 38	1	4.665 855	<b>85,05</b>

## Cryogenic tubes, PP



Self-standing. Designed for storage of biological material, such as microorganisms, human and animal cells, etc. in the gas phase of liquid nitrogen.

Graduated, 12.5 mm o.d. Large frosted marking area and coloured cap inserts for easy sample identification. Temperature stability to -196 °C. gamma-ray sterile (SAL 10<sup>-6</sup>) and autoclavable at 121 °C (2 bar), according to DIN EN 285. Cryogenic vials are sterile, RNase-, DNase-, DNA- and endotoxin-free.

Capacity ml	Grad. up to ml	Height mm	PK	Cat. No.	Price EUR
1.2	1.0	41	1000	6.801 655	<b>328,50</b>
2.0	1.8	49	1000	7.079 366	<b>328,50</b>
4.0	3.6	76	1000	7.059 827	<b>380,80</b>
5.0	4.5	90	1000	7.300 349	<b>402,10</b>

## Freezing Aid for Cell Cultures, FreezerCell™



- Safe freezing of cells
- Avoidance of thermal shock



FreezerCell™ can be used for a variety of cell types. The FreezerCell™ does not require any additives and only needs to be placed in an ultra deep freezer and the cooling runs at -1 °C per minute. Fill the freezing aid with the cryotubes and freeze for approx. 3 hours at -80 °C. Then the samples are ready to transfer to a nitrogen tank. This gentle method ensures a high survival rate of the cells during the freezing process.

- No pre-cooling necessary
- Consistent temperature distribution, even with partial loading
- Lid can be opened easily

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
Hexagon shape for 12 tubes	108 x 108 x 100	1	4.665 863	<b>118,85</b>
Square shape for 12 tubes	117 x 117 x 100	1	4.665 865	<b>120,33</b>

## Cap coders, PP for Brand® cryogenic tubes



For colour coding. Fit for all sizes.

Colour	PK	Cat. No.	Price EUR
White	500	7.200 575	<b>16,90</b>
Blue	500	7.077 849	<b>16,90</b>
Green	500	7.079 679	<b>16,90</b>



## Shaking water bath OLS 26 Aqua Pro



grant

- Very good temperature stability
- Incl. rack and lid



A combined orbital/linear shaking bath for ultimate flexibility and usability. Combined orbital/linear motion in one bath, simply rotate tray carrier 180°

- Excellent temperature stability and uniformity of  $\pm 0.1$  °C
- Adjustable shaking speed/intensity for application optimisation
- Set and Forget™ technology - fast heat-up accurate temperature control
- Includes adjustable high temp cut-off/alarm, countdown timer, presets, calibration facility and dry start/run dry protection
- Universal frame and polycarbonate lid included

Accessory polypropylene spheres or a lid must be used at temperatures between +60 °C and +99 °C. Accessory cooling is required for temperatures below ambient.

Please order PP spheres separately.

### Specifications

Tank size:	26 l
Minimum working depth:	70 mm
Temperature range:	ambient +5 to 99 °C (0 to 99 °C with accessory cooling)
Uniformity:	$\pm 0.1$ °C
Stability:	$\pm 0.1$ °C
Display:	2 x LED (individual displays & controls for temperature and shaking speed)
Orbital and Linear shaking speed:	20 to 200 rpm (depending on load)
Orbital shaking radius:	9 mm
Shaking speed display resolution:	1 rpm
Linear shaking stroke length:	18, 28, 36 mm
Shaking tray area:	380 x 235 mm
Timer:	1 to 999 min
Drain Tap:	yes
Supply voltage:	220-230 V

-5%

Type	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
					EUR	EUR
OLS 26	298 x 500 x 159	335 x 565 x 325	1	6.264 683	<del>3.861,00</del>	<b>3.667,95</b>

## Circulating Coolers Hei-CHILL 600



heidolph  
research made easy

Large LED display



For reliable continuous operation in laboratory and production with cooling capacities from 250 to 5000 W.

- With rollers for placement under a lab bench
- Clearly arranged control elements
- Large LED display
- membrane keypad
- Sight glass for checking the temperature control liquid level
- Automatic start and shut down feature

### Specifications

Temperature range:	-10 ... 40 °C
Temperature stability:	$\pm 0.5$ K
Protection class DIN EN 60529:	IP 32
Power supply:	230 V/50 Hz, 115 V/60 Hz

Cooling capacity kW at 20 °C	Flow rate L / min.	Delivery pressure, max. bar	PK	Cat. No.	Price
0.60	20	1.3	1	9.812 691	<b>EUR 4.261,42</b>

## LLG-Floating pellets, PP



Pellets with 20 mm diameter. Can cover 0.1 m<sup>2</sup>. Protect against evaporation and rapid temperature loss. Decreases hazardous vapors. Resistant against most acids, bases, solvents and mineral oils. Temperature stable up to 100 °C.

-24%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Floating pellets	250	6.266 611	<del>36,10</del>	<b>27,58</b>

## Incubator INC 125 F digital

IKA®



- High temperature stability
- Innovative design
- Made in Germany

NEW



The incubator is designed for precise temperature control during microbiological applications up to 100 °C. INC 125 F digital is a forced air incubator with powerful pre-heat air inlet to ensure fast, stable and uniform tempering performance.

- Excellent temperature stability and temperature uniformity of  $\pm 0.3$  °C
- Availability of counter, timer and timer auto modes
- Electronically adjustable ventilation flap and fan speed from 0 to 100 %
- Decontamination mode available
- Easy to clean chamber made of corrosion-resistant AISI 304 material
- Excellent chamber insulation
- Additional inner glass door that prevents dissipation of heat when the outer door is opened to observe the samples

### Specifications

External dimensions (WxDxH):	700 x 635 x 720 mm
Internal dimensions (WxDxH):	550 x 415 x 550 mm
Weight:	60 kg
Rated capacity:	800 W
Power supply:	220 - 240 V, 50/60 Hz
IP code:	IP 20

-9%

Type	Nom. capacity L	Max. Included grids	PK	Cat. No.	Price	Now
					EUR	EUR
INC 125 F digital	125	6 2	1	4.687 494	<del>2.099,00</del>	<b>1.910,09</b>

## Incubator shaker INC 125 FS digital

IKA®



INC 125 F digital SP 20

INC 125 FS digital is the first incubator shaker with a patented removable shaker platform that supports both static and shaking incubation. When the shaker platform is taken out, the device can be used as normal incubator.

- Shaking platform with universal design to directly attach fixing clips or adhesive mat
- Automatic recognition of shaker platform
- Stops shaking automatically when door is opened
- Shaking and tempering function can run independently
- Availability of counter, timer and timer auto modes
- Accommodates up to 6 wire grid trays (without shaker platform)
- Decontamination mode available
- Chamber made of corrosion-resistant AISI 304 material
- Easy to clean due to removable shaking platform and drip tray underneath
- Door with triple layer glass window to observe samples
- Door hinge changeable upon request
- Installation and operation qualification (IQ/OQ) available upon request

### Specifications

Temperature range:	RT +8 - 80 °C
Interior volume:	125 l
Permitted relative humidity:	80 %
Speed range:	10 ... 300 rpm
External dimensions (WxDxH):	700 x 635 x 720 mm
Internal dimensions (WxDxH):	550 x 415 x 550 mm
Dimensions platform:	340 x 480 mm
Weight:	70 kg
Permitted shaking weight (incl. attachment):	7.5 kg
Rated capacity:	850 W
Power supply:	220 - 240 V, 50/60 Hz
IP code:	IP 20

-9%

Type	Amplitude mm	PK	Cat. No.	Price	Now
				EUR	EUR
INC 125 F digital SP 20	20	2	4.687 495	<del>5.199,00</del>	<b>4.731,09</b>
INC 125 F digital SP 25	25	1	4.687 496	<del>5.199,00</del>	<b>4.731,09</b>

## Safety Gloves Clavies®, Heat Protection up to 232 °C

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



SP Bel-Art

-30%

Length gauntlet mm	Overall length mm	PK	Cat. No.	Price	Now
				EUR	EUR
130	330	1	9.005 271	<del>87,00</del>	<b>60,90</b>
280	470	1	9.005 272	<del>118,30</del>	<b>82,81</b>

## LLG-Weighing bottles with NS lid, Borosilicate glass 3.3



With writing area.  
Available in tall or low shape.

**-30%**

Capacity	Form	Diam.	Height	NS	PK	Cat. No.	Price	Now
ml		mm	mm				EUR	EUR
3	Low	25	25	19/12	1	9.300.151	<del>12,50</del>	<b>8,81</b>
10	Low	35	30	29/12	1	9.300.152	<del>12,80</del>	<b>9,02</b>
11	Low	40	25	34.5/12	1	9.300.150	<del>13,50</del>	<b>9,48</b>
20	Low	50	30	45/12	1	9.300.153	<del>14,40</del>	<b>10,08</b>
29	Low	60	30	50/12	1	9.300.154	<del>17,50</del>	<b>12,25</b>
9	Tall	25	40	19/12	1	9.300.160	<del>13,30</del>	<b>9,31</b>
19	Tall	30	50	24/12	1	9.300.161	<del>13,90</del>	<b>9,73</b>
42	Tall	35	70	29/12	1	9.300.162	<del>14,30</del>	<b>10,01</b>
66	Tall	40	80	34.5/12	1	9.300.163	<del>14,70</del>	<b>10,29</b>
105	Tall	50	80	45/12	1	9.300.164	<del>14,40</del>	<b>10,08</b>

## LLG-Hexagonal weighing boats, PS, antistatic



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

**-30%**

Size	Colour	Dimensions	PK	Cat. No.	Price	Now
		mm			EUR	EUR
Small	White	38 x 25 x 9	500	9.900.893	<del>46,30</del>	<b>32,41</b>
Medium	White	64 x 51 x 19	500	9.900.894	<del>63,20</del>	<b>44,24</b>
Large	White	102 x 76 x 22	500	9.900.895	<del>123,70</del>	<b>86,59</b>
X-Large	White	127 x 89 x 31	500	9.900.896	<del>158,00</del>	<b>110,60</b>

## LLG-Weighing brush, with wooden handle



Fine hair weighing brush with pointed tips and wooden black handle.  
Excellent tool for cleaning of weighing boats, weighing dishes and analytical balances.

**-20%**

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Weighing brush	1	6.267.404	<del>12,20</del>	<b>9,81</b>

## Disposable spoons SteriPlast®, PS



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

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

**-15%**

Capacity	Length	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
2.5	127	100	6.265.045	<del>42,00</del>	<b>35,81</b>
10	170	100	6.265.046	<del>44,60</del>	<b>38,22</b>

## Playing card rejects



Standard size for use as disposable sample carriers or spatulas. Pack size: 1 kg, not sorted.

**-30%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Printed and laminated on both sides	1	9.190.940	<del>24,20</del>	<b>16,94</b>

## Analytical balances Pioneer® PX



- Automatic tare function
- With windshield



High-performance, economical balances with high accuracy and repeatability for applications in laboratories, industry and education. For basic weighing, parts-counting, percent weighing, dynamic weighing and density determination.

- 2 line, backlit LCD display
- 4 quick keys enable the most common weighing modes
- Draftshield
- USB and RS 232 interface for data exchange with PCs and PLCs
- Real-time clock with GLP/GMP data
- Overload, underload and stability indicator
- 4 menu languages

### Please note:

Models with extra code /E with external calibration. All other models are equipped with an internal calibration. Models with extra code D are with dual range function.

### Specifications

Permissible ambient temperature range:	10 ... 30 °C
Height in draftshield:	235 mm
Dimensions (W x D x H):	209 x 321 x 309 mm
Weight:	4.5 kg
Power supply:	100 ... 240 V/ 50 ... 60 Hz

**-19%**

Type	Weighing range	Readability	Plate diam.	PK	Cat. No.	Price	Now
	g	mg	mm			EUR	EUR
PX85	82	0.01	80	1	4.663 322	<del>3.425,00</del>	<b>2.781,10</b>
PX225D	82 / 220	0.01 / 0.1	80	1	4.663 324	<del>3.555,00</del>	<b>2.886,66</b>
PX124	120	0.1	90	1	4.663 327	<del>1.680,00</del>	<b>1.364,16</b>
PX224	220	0.1	90	1	4.663 330	<del>1.810,00</del>	<b>1.469,72</b>
PX224/E	220	0.1	90	1	4.663 329	<del>1.600,00</del>	<b>1.299,20</b>

## Precision balances type EW-N and EG-N



- Compact and robust
- LCD display with large digits



High quality laboratory balances, housed in a robust and stable plastic casing. With bar graph capacity display which shows the current available weighing range remaining.

- LCD display
- Internal automatic calibration (type EG-N)
- CAL adjustment programme (type EW-N)
- Draught shield supplied with all 0.001g readability models
- Parts counting facility, percentage weighing function, under-balance weighing facility
- Weighing with tolerance range
- RS-232 data interface

### Scope of supply:

Precision balance, protective working cover

**-23%**

Type	Capacity	Readability	Plate dimensions	PK	Cat. No.	Price	Now
	g	g	mm			EUR	EUR
EW6200-2NM	6200	0.01	180 x 160	1	9.901 013	<del>1.120,00</del>	<b>862,40</b>
EG620-3NM*	620	0.001	Ø 118	1	9.901 015	<del>1.300,00</del>	<b>1.001,00</b>
EG2200-2NM*	2200	0.01	180 x 160	1	9.901 016	<del>1.110,00</del>	<b>854,70</b>
EG4200-2NM*	4200	0.01	180 x 160	1	9.901 017	<del>1.220,00</del>	<b>939,40</b>

\*calibratable

## Balance bench with granite slab



- Very robust
- Height adjustable



Designed to absorb shocks and vibrations that would otherwise falsify the weighing result. With a granite stone plate supported on rubber elements, which serves as a standing surface for an analytical balance. The worktop encloses the stone plate and offers many storage options.

### Specifications

Dimensions (W x D x H):	768 x 648 x 800 mm (height adjustable)
Dimensions granite slab (W x D x H):	410 x 270 x 115 mm
Net weight:	approx. 55 kg

**-23%**

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Balance bench with granite slab	1	6.262 477	<del>1.060,00</del>	<b>816,20</b>



## Overhead stirrers Hei-TORQUE Expert 100



- Intuitive operation
- Large display

Ideal for all standard stirring tasks.

- Indication of torque tendencies to monitor viscosity changes
- Digital 2.4" display for ease of operation
- Constant speed even under changing loads
- Safe start and stop of operation via slide touch panel
- Minimum noise level at maximum power (<50 dB)

### Specifications

Max. stirring quantity (H <sub>2</sub> O):	50 l
Speed range:	10 ... 2000 rpm
Max. viscosity:	60000 mPas
Motor rating input/output:	90/50 W
Max. torque at stirring shaft:	100 Ncm
Display:	digital
Chuck range:	8 ... 10.5 mm
Dimensions (W x D x H):	86 x 247 x 350 mm
Weight:	4.4 kg
Power supply:	230 V, 50/60 Hz
Protection class:	IP 54

**-15%**

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
Hei-TORQUE Expert 100	EU	1	7.981 688	<del>1,774,00</del>	<b>1.515,00</b>
Hei-TORQUE Expert 100	UK	1	6.283 476	<del>1,774,00</del>	<b>1.515,00</b>

## Accessories for Overhead Stirrers Hei-TORQUE



**-15%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Stand clamp for holder rod 13 to 32 mm	1	9.816 562	<del>121,00</del>	<b>103,33</b>
Stand S 2, 425 x 420 x 700 mm, 5.8 kg	1	9.816 564	<del>302,00</del>	<b>257,91</b>
Base Stand S2 XXL	1	6.228 500	<del>328,00</del>	<b>280,11</b>
Telescopic stand	1	7.621 811	<del>666,00</del>	<b>568,76</b>

## Overhead Stirrers Hei-TORQUE Core



Compact, electronic overhead stirrer for easy operation.

- Suitable for low to medium viscosity media
- Quick-action chuck for stirring tools up to 10 mm diameter
- "Max" button for short-term operation at maximum speed
- Timer function
- Digital rotation speed display
- Automatic switch-off with overheating protection

### Specifications

Stirring quantity max. (H <sub>2</sub> O):	25 l
Speed range:	20 ... 2000 rpm
Max. viscosity:	10000 mPas
Motor rating input/output:	105/75 W
Max. torque at stirring shaft:	40 Ncm
Display:	digital
Chuck range:	8 ... 10.5 mm
Dimensions (W x D x H):	70 x 195 x 281.5 mm
Weight:	2.3 kg
Power supply:	230 V, 50/60 Hz
Protection class:	IP 42

**-15%**

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Hei-TORQUE Core	1	4.662 304	<del>1,031,00</del>	<b>880,47</b>

## Impellers for Overhead Stirrers



Shaft diameter: 8 mm

### Propeller-Type Impeller

- These impellers are recommended for applications which require an average or high speed
- For mixing products with medium or high viscosity

### Radial Flow Impeller

- These impellers are recommended for applications which require an average speed
- For mixing products with average viscosity up to <500 mPas

**-15%**

Type	Material	Dimensions	PK	Cat. No.	Price	Now
		mm			EUR	EUR
Turbine stirrer TR 20	V 2A	Ø 29	1	9.816 548	<del>95,00</del>	<b>81,13</b>
Turbine stirrer TR 21	V 2A	Ø 50	1	9.816 549	<del>102,00</del>	<b>87,11</b>
Propeller stirrer PR 30	V 2A	Ø 58	1	9.816 550	<del>108,00</del>	<b>92,23</b>



## Magnetic stirrer MIX 1 and MIX 1 eco



- Maintenance free
- Made in Germany



MIX 1



MIX 1 eco

Wear-free inductive drive, powerful, up to 10 liters, 100-2000 rpm, internal controller with 20 watts, digital display, 4-step power setting for high power with regard to large and viscous media and reduced power for warming-free continuous operation, adjustable SoftStart for different volumes/viscosity. 3 years warranty. Made in Germany.

### MIX 1 eco

Identical to MIX 1, but price optimized, up to 3 liters, speed range 120 -1400 rpm, extremely robust, simple operation by speed knob and scale.

### Specifications

Max. volume stirred (H <sub>2</sub> O):	10 l // 3 l
Motor rating input:	10 W // 20 W
Stirring positions:	1
Speed range:	100 ... 2000 // 120 ... 1400 rpm
Permissible ambient temperature:	-10 ... 50 °C
Permissible humidity:	80 %
Display:	digital // analogue
Dimensions (W x D x H):	188 x 238 x 38 mm // 120 x 120 x 35 mm
Weight:	3.4 kg // 1.4 kg
IP code:	IP 65
Power supply:	115/230 V, 50/60 Hz

Type	PK	Cat. No.	Price
			<b>EUR</b>
MIX 1	1	9.645 954	<b>675,00</b>
MIX 1 eco	1	9.645 955	<b>409,00</b>

## Magnetic stirrer TWISTER



- Innovative Concept
- Modular system



Without heating. The TWISTER is a universal and particularly compact mixing device with magnetic drive, which can be expanded to a multi-position magnetic stirrer with a wide range of applications by connecting up to 30 devices in series. The stirring points can be controlled either separately or simultaneously (leader-follower principle).

- Intuitive and chemically resistant 360° LED glass display for conveying all information without an alphanumeric display
- Viscosity changes can be observed and displayed as a percentage by showing either the speed or the power required for stirring
- Suitable for operation in incubators up to 40 °C



Set 1



Set 2



Set 3



Set 4

**Set 1 Scope of delivery:** 1 x TWISTER magnetic stirrer, 1 x plug-in power supply unit with adapter, 1 x IKAFLON 25 round magnetic stirring bar

**Set 2 Scope of delivery:** 2 x magnetic stirrers TWISTER, 1 x plug-in power supply unit with adapter, 2 x magnetic stirring bars IKAFLON 25 round

**Set 3 Scope of delivery:** 3 x TWISTER magnetic stirrers, 1 x plug-in power supply unit with adapter, 3 x IKAFLON 25 round magnetic stirring bars

**Set 4 Scope of delivery:** 4 x TWISTER magnetic stirrers, 1 x plug-in power supply unit with adapter, 4 x IKAFLON 25 round magnetic stirring bars

You can find accessories in our online shop.

### Specifications

Max. stirred volume per position:	5 l
Speed range:	100 ... 3000 rpm
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80 %
Material Top plate:	Glass
Dimensions Top plate (W x D):	124 x 124 mm
Dimensions (W x D x H):	135 x 135 x 24 mm
Weight:	0.6 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 66

Type	Stirring capacity	PK	Cat. No.	Price
	l			<b>EUR</b>
TWISTER Set 1	5	1	4.685 997	<b>399,00</b>
TWISTER Set 2	10	1	4.685 998	<b>749,00</b>
TWISTER Set 3	15	1	4.685 999	<b>1.099,00</b>
TWISTER Set 4	20	1	4.686 000	<b>1.449,00</b>

## Vortex-Genie® 2



- Top seller
- Stable and robust
- Good price-performance ratio



Robust and reliable shakers for speedy mixing and shaking of samples. Variable speed for precise mixing from gentle to vigorous. Broad range of attachments for most tubes, plates and other containers. Hands-Free or Touch On control.

**Scope of supply:** Vortexer, platform (diam. 76 mm) with rubber cover, Pop-off cup



### Specifications

Shaking movement:	orbital
Speed display/Timer:	Scale
Speed range:	600-2700 rpm
Dimensions (L x W x H):	165 x 122 x 165 mm
Permissible ambient conditions:	0 to 38 °C at 95 % rh
Weight:	4 kg
Power supply:	230 V, 50/60 Hz

**-30%**

Type	Min. speed rpm	Max. speed rpm	Plug type	PK	Cat. No.	Price	Now
						<b>EUR</b>	<b>EUR</b>
Vortex Genie® 2	600	2700	EU	1	9.730 060	<del>463,40</del>	<b>324,38</b>
Vortex Genie® 2	600	2700	UK	1	6.251 939	-	<b>463,40</b>
Vortex Genie® 2	600	2700	CH	1	6.235 684	-	<b>463,40</b>

# LABORTOPS

## Magnetic stirrer with heating LLG-uniSTIRRER 7 pro, Set



- **New, improved design**
- **Proven quality**
- **Complete set incl. PT1000**

Universal magnetic stirrer with an outstanding price-performance ratio and new design.

High level of safety thanks to "Hot" display with continuing stirring function until the plate temperature has dropped below 50 °C, even when the device is switched off. Integrated control function for precise control of the media temperature by a connected PT1000 temperature probe.

- Maintenance-free, brushless DC motor
- Stainless steel plate with glass ceramic coating
- Heatable
- Sturdy metal housing
- Powerful stirring
- Digital control, backlit display
- RS232 for stirrer control and display of all parameters via PC
- Display for hot surfaces, even when the device is switched off
- Fixed safety circuit of the hotplate temperature at 580 °C
- Connection for PT1000 temperature probe, integrated control function
- Rod can be mounted on the right and left side of the magnetic stirrer

**Scope of delivery:** Magnetic stirrer with PT1000 probe, rod, holder

### Specifications

Max. stirring quantity (H <sub>2</sub> O):	20 l
Speed range:	100 ... 1500 rpm
Accuracy:	±1 rpm
Magnetic bar:	80 mm
Display:	LCD
Heating plate:	184 x 184 mm
Permissible ambient temperature:	5 ... 40 °C
Temperature range:	ambient ... 550 °C
Setting accuracy:	±0.1 °C
Control accuracy:	±0.2 °C
Heat output:	1000 W
Safety temperature:	580 °C
Length PT1000 sensor:	198 mm
Dimensions (W x D x H):	215 x 360 x 112 mm
Weight:	5.3 kg
Power supply:	200 ... 240 V, 50/60 Hz
IP code:	IP 21



**-19%**

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniSTIRRER 7, pro	EU	1	6.263 448	EUR <del>542,70</del>	EUR 439,98
LLG-uniSTIRRER 7, pro	UK	1	6.263 449	EUR <del>568,60</del>	EUR 453,08