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# PERFECT MATCH

Vials, closures and more  
for chromatography applications



**Your perfect match for all general chromatography applications**

- One source for vials, closures and more
- DWK premium quality
- Borosilicate glass USP Type I and ASTM E438, Type I
- Made in USA



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WHEATON  
KIMBLE**

Excellence in your hands

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# 1. General laboratory consumables

## Vessels/Beakers

### 1 Beakers, Borosilicate glass 3.3, low form

DIN 12 331. ISO 3819. With approximate graduations and spout.

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
5 *	22	30	10	9.013 905
10 *	26	35	10	9.013 906
25 *	34	50	10	9.013 900
50	42	60	10	9.013 901
100	50	70	10	9.013 902
150	60	80	10	9.013 903
250	70	95	10	9.013 904
400	80	110	10	9.013 910
600	90	125	10	9.013 911
800	100	135	10	9.013 912
1000	105	145	10	9.013 913
2000	132	185	10	6.270 091
3000	150	210	1	6.270 090
5000	170	270	1	6.280 298

\*without graduation



### 2 Beakers glass, DURAN®, low form

DIN 12331. ISO 3819. With approximate graduations and spout. 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 5 ml, 10 ml and 25 ml. Certificate available via the Internet. Autoclavable. DWK Life Sciences

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
5	22	30	10	4.665 752
10	26	35	10	4.665 754
25	34	50	10	4.665 746
50	42	60	10	4.665 753
100	50	70	10	4.665 751
150	60	80	10	4.665 750
250	70	95	10	4.665 749
400	80	110	10	4.665 748
600	90	125	10	4.665 745
800	100	135	10	4.665 744
1000	105	145	10	4.665 747
2000	132	185	1	9.013 063
3000	152	210	1	9.013 068
5000	170	270	1	9.013 073
10000 **	217	350	1	9.013 086

\*\* Not to DIN and ISO.



### 3 Beakers Super Duty, DURAN®, low form

With approximate graduations and spout. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable. DWK Life Sciences

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
150	60	80	1	9.051 150
250	70	95	1	9.051 151
400	80	110	1	9.051 152
600	90	125	1	9.051 153
1000	105	145	1	9.051 154
2000	132	185	1	9.051 155
5000	170	270	1	9.051 156



### 4 Beakers, Borosilicate glass 3.3, tall form

DIN 12 331. ISO 3819. With approximate graduations and spout.

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
25 *	30	55	10	9.013 924
50	38	70	10	9.013 925
100	48	80	10	9.013 920
150	54	95	10	9.013 921
250	60	120	10	9.013 922
400	70	130	10	9.013 923
600	80	150	10	9.013 930
800	90	175	10	9.013 931
1000	95	180	10	9.013 932
2000	120	240	10	6.270 117
3000	135	280	1	6.313 628

\*without graduation



## Vessels/Beakers



### 1 Beakers glass, DURAN®, tall form

DIN 12331. ISO 3819. With approximate graduations and spout. With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. *DWK Life Sciences*  
 Due to the uniformly 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.

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
50	38	70	10	4.665 762
100	48	80	10	4.665 755
150	54	95	10	4.665 759
250	60	120	10	4.665 758
400	70	130	10	4.665 761
600	80	150	10	4.665 760
800	90	175	10	4.665 757
1000	95	180	10	4.665 756
2000	120	240	1	9.013 163
3000	135	280	1	9.013 168



### 2 Filter beaker glass, DURAN®, heavy wall

With approximate graduations and spout. Glass type I/neutral glass as per USP, EP and JP. Autoclavable. *DWK Life Sciences*

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.
250	70	94	1	9.051 036
500	89	124	1	9.051 044
1000	105	160	1	9.051 054
2000	135	195	1	9.051 063
3000	157	205	1	9.051 068
5000	182	256	1	9.051 073
10000*	225	340	1	9.051 086
15000*	260	390	1	9.051 088
20000*	285	430	1	9.051 091

\*without graduation

### 3 Beakers, PP, low form

*Kartell*



Conform to ISO 7056 - 1981 (E). New PP giving very high translucency. Autoclavable to 121°C for 20 min. and can be used continuously at 100 °C. Permanent blue printed graduations. Excellent chemical resistance. Tolerance ±10 %.

Nominal capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.
25	1	34	49	1	9.013 573
50	2	42	60	1	9.013 574
100	5	52	72	1	9.013 575
250	10	71	95	1	9.013 576
500	10	88	119	1	9.013 577
1000	20	110	146	1	9.013 578
2000	50	133	184	1	9.013 579
3000	500	159	201	1	9.013 580
5000	500	190	228	1	9.013 581



# 1. General laboratory consumables

## Vessels/Beakers

### 1 LLG-Griffin beakers, PP



According to ISO 7056. With spout and printed blue graduations.

Nominal capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.
25	5	32	47	2	9.013 670
50	10	39	60	2	9.013 671
100	10	50	70	2	9.013 672
250	25	67	93	2	9.013 673
500	50	88	119	2	9.013 674
1000	50	109	147	2	9.013 675
2000	100	133	184	1	9.013 676

1



### 2 Griffin beakers, PP



VITLAB

Highly transparent. With spout and easily readable, 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.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.
10 */**	2	30	36	1	9.013 208
25 **	5	38	50	1	9.013 220
50 **	10	47	60	1	9.013 228
100	10	55	70	1	9.013 238
150*	20	66	80	1	9.013 244
250	25	77	95	1	9.013 248
400*	50	87	112	1	9.013 209
500	50	94	118	1	9.013 254
600	50	100	127	1	9.013 256
1000	100	120	147	1	9.013 262
2000	200	149	187	1	9.013 264
3000	250	170	212	1	9.013 266
5000	500	203	247	1	9.013 270

\* Supplementary to ISO 7056  
\*\*blue printed scale, not raised



### 3 Griffin beakers PMP



VITLAB

Crystal clear. With spout and easily readable, printed red scale. To preserve markings, cleaning at no higher than 60 °C is recommended.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.
10 *	2	30	36	1	9.013 315
25	5	38	50	1	9.013 320
50	10	47	60	1	9.013 328
100	10	55	70	1	9.013 338
150*	20	66	80	1	9.013 344
250	25	77	95	1	9.013 348
400*	50	87	112	1	9.013 350
500	50	94	118	1	9.013 354
600*	50	100	127	1	9.013 356
1000	100	120	147	1	9.013 362
2000	200	149	187	1	9.013 364
3000	250	170	212	1	9.013 366
5000	500	203	247	1	9.013 370

\* Supplementary to ISO 7056

## Vessels/Beakers-Measuring jugs


**1**

### 1 Beakers, stainless steel

Manufactured from high quality, chemical and corrosion resistant AISI 304 grade stainless steel. Robust seamless construction guarantees a long life cycle. Highly polished smooth interior enables much easier cleaning.

ISOLAB

Nominal capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
100	50	60	1	6.286 609
250	65	85	1	6.286 610
500	82	110	1	6.286 611
1000	100	130	1	6.286 612


**2**

### 2 Beakers, stainless steel

Especially: Contact bottom for heating plates and magnetic stirrers.

Bochem

Nominal capacity ml	Diam. mm	Height mm	Description	PK	Cat. No.
100	50	60	with rim	1	9.013 600
250	65	85	with rim	1	9.013 601
500	80	110	with rim	1	9.013 602
1000	100	130	with rim	1	9.013 603
2000	120	180	with rim	1	9.013 604
3000	150	180	with rim	1	9.013 605
5000	180	210	with rim	1	9.013 606
100	50	60	with rim and spout	1	9.013 610
250	65	85	with rim and spout	1	9.013 611
500	80	110	with rim and spout	1	9.013 612
1000	100	130	with rim and spout	1	9.013 613
2000	120	180	with rim and spout	1	9.013 614
3000	150	180	with rim and spout	1	9.013 615
5000	180	210	with rim and spout	1	9.013 616
100	50	60	with rim and handle	1	6.237 690
250	65	85	with rim and handle	1	6.255 781
500	80	110	with rim and handle	1	6.237 691
1000	100	130	with rim and handle	1	6.237 692
2000	120	180	with rim and handle	1	6.203 870
3000	150	180	with rim and handle	1	6.268 733
5000	180	210	with rim and handle	1	6.226 943
100	50	60	with rim, spout and handle	1	6.056 364
250	65	85	with rim, spout and handle	1	6.056 365
500	80	110	with rim, spout and handle	1	6.056 366
1000	100	130	with rim, spout and handle	1	6.077 412
2000	120	180	with rim, spout and handle	1	7.604 208
3000	150	180	with rim, spout and handle	1	6.302 733
5000	180	210	with rim, spout and handle	1	6.085 775



9.275 266



### 3 Measuring jugs, PP, blue scale or embossed

BRAND

Transparent. Graduated beakers with handle with blue printed scale or embossed. Ergonomic handle for secure grip. Functional spout to minimize spills. Cleaning at temperatures below 60 °C is recommended to preserve marks and inscriptions. For autoclaving (121 °C), beakers with an embossed scale should be selected.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	Description	PK	Cat. No.
50	2	43	67	blue	1	9.275 769
100	2	54	85	blue	1	9.275 263
250	5	74	120	blue	1	9.275 264
500	10	92	140	blue	1	9.275 265
1000	20	117	181	blue	1	9.275 266
2000	50	152	213	blue	1	9.275 770
3000	50	172	242	blue	1	9.275 267
5000	100	204	270	blue	1	9.275 268
50	2	43	67	embossed	1	9.275 269
100	2	54	85	embossed	1	9.275 270
250	5	74	120	embossed	1	9.275 271
500	10	92	140	embossed	1	9.275 272
1000	20	117	181	embossed	1	9.275 273
2000	50	152	213	embossed	1	9.275 274
3000	50	172	242	embossed	1	9.275 275
5000	100	204	270	embossed	1	9.275 771



9.275 273

# 1. General laboratory consumables

## Vessels/Measuring jugs

### 1 LLG-Measuring jugs, PP



According to ISO 7056. With spout and printed blue graduations. Stackable.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.
250	5	75	115	2	9.013 680
500	10	100	137	2	9.013 681
1000	10	125	167	2	9.013 682
2000	20	148	217	1	9.013 683
3000	25	170	244	1	9.013 684



### 2 Measuring jugs with handle, PP



Kartell

Short form. Highly translucent especially when filled with liquids. Permanently moulded graduations. Heavy duty, with non-drip spout. Thumb grip on handle. Autoclavable

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.
500	25	90	116	1	9.013 591
1000	50	116	131	1	9.013 592
2000	50	145	165	1	9.013 593
3000	100	165	180	1	9.013 594
5000	250	190	225	1	9.013 595



### 3 Measuring jugs, PP



VITLAB

Transparent. With stable handle and easily readable, printed black graduations on both sides. Therefore, the volume is equally visible for left- and right handers. To preserve markings, do not clean at temperatures exceeding 60 °C.

- Stackable
- Food-safe product according to regulation (EU) No. 10/2011.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.
250	5	75	115	1	9.275 738
500	10	97	140	1	9.275 740
1000	10	125	167	1	9.275 742
2000	20	148	212	1	9.275 744
3000	50	170	242	1	9.275 746



### 4 Conical measures, PP, graduated



Kartell

Graduated. Can withstand temperatures up to 120 °C. With wide base for stability. Autoclavable. Suitable for foodstuff.

Nominal capacity ml	Grad. ml	Height mm	PK	Cat. No.
100	2	118	1	9.013 773
250	5	164	1	9.013 774
500	10	183	1	9.013 775
1000	20	263	1	9.013 776





## Vessels/Measuring jugs

### 1 2 Graduated jugs, PP, moulded graduations



VITLAB

Highly transparent. With a raised scale, spout and stable, easy-grip handle. Autoclavable at 121 °C (2 bar) according to DIN EN 285. Food-safe product according to regulation (EU) No. 10/2011. To preserve markings, do not clean at temperatures exceeding 60 °C. Conditionally autoclavable at 121 °C (2 bar) according to DIN EN 285. For autoclaving, we recommend the design with raised graduations.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	Description	PK	Cat. No.
50	2	40	70	embossed	1	7.008 977
100	2	50	80	embossed	1	7.008 978
250	5	74	120	embossed	1	7.008 967
500	10	92	140	embossed	1	7.008 969
1000	20	117	181	embossed	1	7.008 971
2000	50	152	213	embossed	1	7.008 973
3000	50	172	242	embossed	1	7.008 975
5000	100	204	270	embossed	1	7.008 976
50	2	40	70	blue embossed	1	9.275 772
100	2	50	80	blue embossed	1	9.275 773
250	5	74	120	blue embossed	1	9.275 748
500	10	92	140	blue embossed	1	9.275 775
1000	20	117	181	blue embossed	1	9.275 776
2000	50	152	213	blue embossed	1	9.275 777
3000	50	172	242	blue embossed	1	9.275 778
5000	100	204	270	blue embossed	1	9.275 779



### 3 Graduated jugs, SAN, moulded graduations



VITLAB

Crystal clear. With a raised scale and stable, easy-grip handle. Food-safe product according to regulation (EU) No. 10/2011.

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	Description	PK	Cat. No.
250	5	70	120		1	7.008 966
500	10	91	133		1	7.008 968
1000	10	116	170		1	7.008 970
2000	20	150	215		1	7.008 972
3000	50	170	242		1	7.008 974



### 4 Measuring jugs with handle, stainless steel, heavy duty

18/10 steel. Graduated 200 ml. With spout and handle.

Bochem

Nominal capacity ml	Ext. diam. mm	Height mm	Description	PK	Cat. No.
1000	100	140	without foot	1	9.275 850
2000	130	170	without foot	1	9.275 852
500	90	125	without foot	1	6.072 687
1000	125	140	without foot	1	7.400 857
2000	140	170	without foot	1	6.204 504
500	115	115	with foot	1	9.275 860
1000	140	160	with foot	1	9.275 861
1500	150	160	with foot	1	9.275 862
2000	160	185	with foot	1	9.275 863



### 1 Erlenmeyer flasks, Borosilicate glass 3.3, narrow neck

DIN ISO 1773. With graduations and beaded rim.

Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
25	22	42	70	10	9.141 079
50	22	51	90	10	9.141 080
100	22	64	105	10	9.141 081
200	34	79	135	10	9.141 085
250	34	85	145	10	9.141 082
300	34	87	160	10	9.141 086
500	34	105	180	10	9.141 083
1000	42	131	220	10	9.141 084
2000	50	166	280	10	6.270 089
3000	50	187	310	1	6.270 118
5000	50	220	365	1	6.270 119



### 2 Erlenmeyer flasks, narrow neck, DURAN®

DIN ISO 1773. With approximate graduations and beaded rim. Uniform wall thickness distribution makes these beakers ideal for heating applications. Erlenmeyer flasks are well suited for mixing, because of their conical shape.

DWK Life Sciences

Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

With Retrace Code (Batch Identification), certificate available via the Internet.

Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
25**	22	42	75	1	9.141 014
50	22	51	90	1	9.141 017
100	22	64	105	1	9.141 024
125	28	67	112	1	9.141 028
150*	28	74	118	1	6.234 510
200*	34	79	131	1	9.141 032
250	34	85	145	1	9.141 036
300*	34	87	156	1	9.141 039
500	34	105	180	1	9.141 044
800	42	120	200	1	9.141 053
1000	42	131	220	1	9.141 054
2000	50	166	280	1	9.141 063
3000	52	187	310	1	9.141 068
5000	52	220	365	1	9.141 073

\* Not to DIN.

\*\*without retrace code

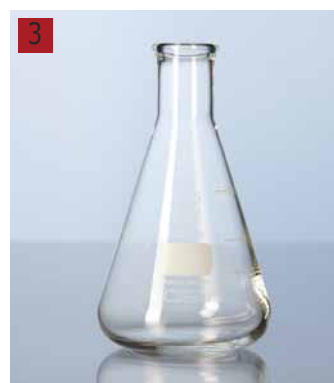


### 3 Erlenmeyer flasks, DURAN® Super Duty, narrow neck

With approximate graduations. Reinforced sturdy rim, and increased mechanical strength for heavy duty. Glass type I/neutral glass as per USP, EP and JP. With Retrace Code (Batch Identification) certificate available via the Internet. Autoclavable.

DWK Life Sciences

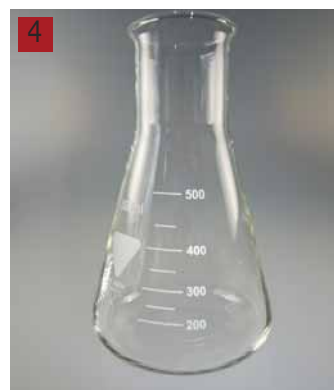
Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
25	22	42	75	1	9.141 270
50	22	51	90	1	9.141 271
100	22	64	105	1	9.141 272
250	34	85	145	1	9.141 273
500	34	105	180	1	9.141 274
1000	42	131	220	1	9.141 275
2000	50	166	280	1	9.141 276
5000	52	220	365	1	9.141 277



### 4 Erlenmeyer flasks, Borosilicate glass 3.3, wide neck

DIN ISO 24450. With graduations and beaded rim.

Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
25	31	43	70	10	9.141 186
50	34	51	85	10	9.141 180
100	34	64	105	10	9.141 181
200	50	79	131	10	9.141 187
250	50	85	140	10	9.141 182
300	50	87	156	10	9.141 183
500	50	105	175	10	9.141 184
1000	50	131	220	10	9.141 185
2000	69	166	280	10	6.270 181



## Vessels/Flasks



### 1 Erlenmeyer flasks, DURAN®, wide neck

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

DWK Life Sciences

Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
25**	31	43	70	1	9.141 114
50	34	51	85	1	9.141 117
100	34	64	105	1	9.141 124
200	50	79	131	1	9.141 132
250	50	85	140	1	9.141 136
300	50	87	156	1	9.141 139
500	50	105	175	1	9.141 144
1000	50	131	220	1	9.141 154
2000*	72	153	276	1	9.141 163

\* Not to DIN.

\*\*without retrace code



### 2 Erlenmeyer flasks DURAN® Super Duty, wide neck

With approximate graduations. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

DWK Life Sciences

Capacity ml	Neck diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
100	34	64	105	1	9.141 280
250	50	85	140	1	9.141 281
500	50	105	175	1	9.141 282
1000	50	131	220	1	9.141 283



### 3 Erlenmeyer flasks, borosilicate glass 3.3, with screw neck

Borosilicate glass 3.3. Resistant to heat and almost all chemicals. Ideal for contamination free storage of culture specimen and media. Inscriptions are in white enamel which is specially designed for glass use. Autoclavable flasks and PP screw caps are resistant up to 121 °C.

ISOLAB

Capacity ml	Height mm	Neck thread GL	PK	Cat. No.
100	105	32	1	9.141 100
250	145	32	1	9.141 101
500	180	32	1	6.242 393
1000	225	32	1	9.141 102



### 4 Erlenmeyer flasks, DURAN®, with screw neck

With DIN screw neck, PBT-screwthread cap (autoclavable up to 180 °C), and approximate graduations. The flask is suitable for storage and cultivation. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable; undo cap before autoclaving. With retrace code (Batch Identification). Certificate via internet.

DWK Life Sciences

Capacity ml	Bottom diam. mm	Height mm	Neck thread GL	PK	Cat. No.
100	64	109	25	1	9.141 224
250	85	149	32	1	9.141 236
500	105	180	32	1	9.141 244
1000	131	225	32	1	9.141 254

➔ Buffle flasks please see page 1371.

### 1 Wide-mouth-Erlenmeyer flasks, PP, with screw neck



VITLAB

Highly transparent, can also be used with NS stoppers (not included). Suitable for storage and cultivation of cell cultures. Safer than glass flasks for use in incubator shakers due to the break resistance of plastic. Suitable for microwaves. To preserve markings, do not clean at temperatures exceeding 60 °C. Food-safe product according to EC Directive No. 10/2011.



Capacity	Grad.	stopper size	Neck thread	PK	Cat. No.
ml	ml		GL		
50	10	34/35	40	1	9.141 381
100	20	34/35	40	1	9.141 382
250	50	45/40	52	1	9.141 383
500	100	45/40	52	1	9.141 384
1000	200	45/40	52	1	9.141 385

### 2 Round bottom flasks, borosilicate glass 3.3

**NEW**  
ISOLAB

- ISO 1773
- With beaded rim
- Thick walled
- Heat resistant

Nominal capacity	PK	Cat. No.
ml		
50	10	4.678 058
100	10	4.678 059
250	10	4.678 060
500	10	4.678 061
1000	10	4.678 062
2000	6	4.678 063
4000	1	6.254 100
6000	1	6.254 101
10000	1	6.254 102



### 3 Round bottom flasks, DURAN®, narrow neck

To DIN ISO 1773. With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DWK Life Sciences

Volume	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	26	51	95	1	9.141 417
100	26	64	110	1	9.141 424
250	34	85	144	1	9.141 436
500	34	105	168	1	9.141 444
1000	42	131	200	1	9.141 454
2000*	42	166	260	1	9.141 464
3000*	50	185	260	1	9.141 468
4000	52	207	290	1	9.141 471
5000*	50	223	305	1	9.141 473
6000*	51	236	355	1	9.141 477
10000	65	279	380	1	9.141 486
12000**	65	295	380	1	6.801 504
20000**	76	345	515	1	9.141 491

\* Not according to DIN ISO.  
\*\*according to ASTM E 1403.

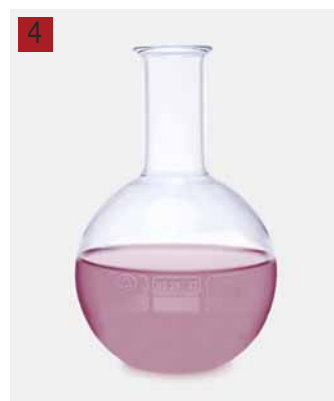


### 4 Flat bottom flasks, borosilicate glass 3.3

**NEW**  
ISOLAB

- With flat bottom
- ISO 1773
- With beaded rim
- Thick walled
- Heat resistant

Nominal capacity	PK	Cat. No.
ml		
50	10	4.678 064
100	10	4.678 065
250	10	4.678 066
500	10	4.678 067
1000	10	4.678 068
2000	6	4.678 069
4000	1	7.970 273
6000	1	6.254 092
10000	1	6.254 093



## Vessels/Flasks



### 1 Flat bottom flasks, DURAN®, wide and narrow neck

DIN ISO 24450 (wide mouth), DIN ISO 1773 (narrow mouth). With beaded rim.

DWK Life Sciences

Glass Type I/neutral glass as per USP, EP and JP. Uniform wall thickness distribution makes these beakers ideal for heating applications. Flat base means flasks can be set down without a supporting ring. Autoclavable.

Description	Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
	ml	mm	mm	mm		
wide mouth	50	34	51	90	1	9.141 717
wide mouth	100	34	64	105	1	9.141 724
wide mouth	250	50	85	138	1	9.141 736
wide mouth	500	50	105	163	1	9.141 744
wide mouth	1000	50	131	190	1	9.141 754
wide mouth	2000*	76	166	230	1	9.141 763
wide mouth	2000	50	166	230	1	9.141 764
narrow mouth	50	26	51	90	1	9.141 617
narrow mouth	100	26	64	105	1	9.141 624
narrow mouth	250	34	85	138	1	9.141 636
narrow mouth	500	34	105	163	1	9.141 644
narrow mouth	1000	42	131	190	1	9.141 654
narrow mouth	2000**	42	166	250	1	9.141 664
narrow mouth	3000**	50	185	250	1	9.141 668
narrow mouth	4000	50	207	275	1	9.141 671
narrow mouth	5000	50	223	290	1	9.141 673
narrow mouth	6000	65	237	315	1	9.141 676
narrow mouth	10000	65	280	360	1	9.141 686

\* Not to DIN, with reinforced rim.

\*\*Not to ISO.



### 2 Kjeldahl flasks, DURAN®

To DIN 12360. With beaded rim.

DWK Life Sciences

Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	22	51	200	1	9.141 817
100	22	60	200	1	9.141 824
250	34	81	270	1	9.141 836
500	34	101	300	1	9.141 844
750	34	115	340	1	9.141 851
1000	34	126	350	1	9.141 854

Note: special sizes available on request.



### 3 Silicone lid DURAN®

**NEW**

DWK Life Sciences



Stretchable silicone lid for safe covering of vessels, e.g. to protect against dust or splashing of solutions.

The wide overlapping sides of the silicone lid closes well with the vessel wall. Suitable for temperatures from -40 °C to 180 °C. The prolonged exposure to solvents may cause swelling of the material.

- Three different sizes and colours
- Labeling field on the flap
- Chemically resistant
- Heat resistant
- Suitable for dishwashers
- Autoclavable

Type	Ø mm	Colour	PK	Cat. No.
Size S	43 ... 61	pink	5	4.669 341
Size S	43 ... 61	cyan	5	4.669 342
Size S	43 ... 61	green	5	4.669 343
Size M	64 ... 76	pink	5	4.669 344
Size M	64 ... 76	cyan	5	4.669 345
Size M	64 ... 76	green	5	4.669 346
Size L	84 ... 116	pink	5	4.669 347
Size L	84 ... 116	cyan	5	4.669 348
Size L	84 ... 116	green	5	4.669 349
Set S / M / L		pink	1	4.669 338
Set S / M / L		cyan	1	4.669 339
Set S / M / L		green	1	4.669 340

# 1. General laboratory consumables

## Vessels/Flasks

### 1 Flask rings, pressed cork

Height 30 mm.

For flasks ml	Ext. diam. mm	Int. diam. mm	PK	Cat. No.
4000	210	150	1	9.143 015
10 ... 100	80	30	10	4.667 531
250 ... 500	110	60	10	4.667 532
1000 ... 2000	140	90	10	4.667 533
3000	170	120	10	4.667 534



### 2 Flask ring, PP.



Kartell

Provides a secure base for round bottom flasks from 10 ml to 10000 ml capacity. Autoclavable.

For flasks ml	Diam. mm	Height mm	PK	Cat. No.
10 ... 10000	160	50	1	9.143 040



### 3 Flask support rings, "BiBase", silicone elastomer

Blue. Double sided. Sits firmly on the bench to support round-bottomed flasks.

- Resistant to oxidation and temperatures from -60 to +200 °C
- Very soft and easy to clean
- Resistant to chemicals
- Good thermal and electric insulation
- Excellent adhesion with glass
- Non-slip

For flasks ml	Ext. diam. mm	Int. diam. mm	Height mm	Max. kg	PK	Cat. No.
50 ... 500	80	46	30	13	1	9.143 035
500 ... 2000	120	80	40	18	1	9.143 036
2000 ... 6000	162	120	45	30	1	9.143 037



### 4 Stabilizing/Weighting rings, lead

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

Type	For flasks ml	Int. diam. mm	PK	Cat. No.
O-Shape	5 ... 10	18	1	7.072 085
O-Shape	125 ... 500	48	1	6.243 010
O-Shape	250 ... 1000	51	1	6.242 742
O-Shape	500 ... 2000	57	1	6.243 011
O-Shape	1000 ... 4000	70	1	7.054 161
C-Shape	125 ... 500	42	1	9.149 902
C-Shape	250 ... 1000	51	1	9.149 905
C-Shape	500 ... 2000	54	1	9.149 906
C-Shape	1000 ... 4000	66	1	9.149 907

4



Water baths please see page 829.

## Vessels/Test tubes


**1**

### 1 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.

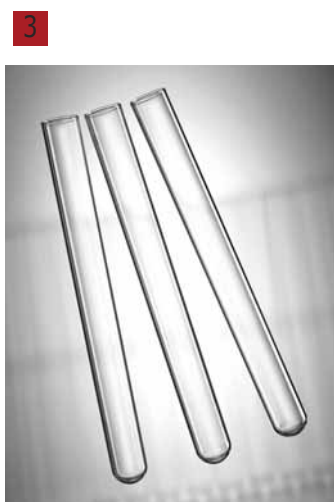
Diam. mm	Length mm	PK	Cat. No.
8	70	100	6.201 034
10	100	100	6.801 073
12	100	100	7.607 198
14	130	100	6.800 620
16	130	100	6.800 382
16	160	100	7.600 405
20	180	100	7.607 778
25	150	50	6.800 621
30	200	50	7.600 324
30	100	100	6.267 806
15	100	100	7.651 872
16	120	100	7.651 871
18	130	100	7.652 552


**2**

### 2 LLG-Test tubes, Fiolax® glass

Round bottom test tubes made of high quality Fiolax® glass with beaded rim.

Diam. mm	Length mm	PK	Cat. No.
8	70	100	7.190 001
10	100	100	6.234 026
12	75	100	7.613 795
12	100	100	7.190 011
14	130	100	7.606 374
16	130	100	7.606 375
16	160	100	7.190 021
18	180	100	7.190 023
20	120	100	7.617 551
20	180	100	7.190 028
30	200	50	6.801 914


**3**

### 3 Test tubes, Soda Lime Glass

*Scherf*

Diam. mm	Length mm	Beaded rim	PK	Cat. No.
7.0	25	No	1000	4.658 073
6.5	35	No	1000	4.658 074
8.0	35	No	1000	4.658 075
8.0	40	No	200	4.658 076
9.5	40	No	500	4.658 077
10.5	40	No	500	6.802 657
6.5	50	No	1000	4.658 078
9.5	50	No	200	4.658 079
11.0	55	No	500	4.658 080
11.0	70	No	200	4.658 081
10.0	75	No	250	7.021 545
11.5	75	No	250	6.232 384
12.0	75	No	250	4.658 082
12.0	100	No	250	4.658 083
13.0	100	No	250	4.658 084
16.0	100	No	250	6.267 191
12.0	120	No	500	4.658 085
16.0	125	No	250	4.658 086
18.0	150	No	250	4.658 088
16.0	160	No	250	4.658 089
18.0	180	Yes	100	4.658 090
16.0	120	Yes	100	4.658 091
16.0	160	Yes	100	4.658 092
18.0	180	Yes	100	4.658 093
20.0	180	Yes	100	4.658 094



### 1 Test tubes, round bottom, Soda-lime glass

Heavy wall. Rimless, with round bottom.

Diam. mm	Length mm	PK	Cat. No.
8	40	200	9.400 004
10	70	100	9.400 007
12	75	100	9.400 009
15	85	100	9.400 011
10	100	100	9.400 015
12	100	100	9.400 017
14	100	100	9.400 020
16	100	100	9.400 022
14	130	100	9.400 030
16	160	100	9.400 040
16	160	100	6.282 424
18	180	100	9.400 050



### 2 Test tubes, Soda-lime glass, heavy wall

Rimless, with round bottom (0.7 to 1.0 mm wall thickness).

Scherf

Diam. mm	Length mm	PK	Cat. No.
8	40	100	9.190 200
10	70	100	9.190 202
10	100	100	9.190 205
12	75	250	6.258 821
12	100	250	6.258 822
14	100	250	6.258 823
14	130	250	6.258 824
16*	100	250	6.258 825
16*	160	250	6.258 826
18*	180	250	6.258 827

\* Suitable for Kapsenberg caps.



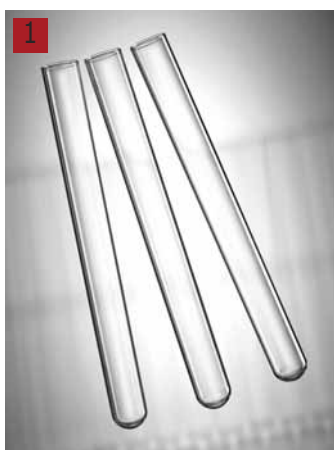
### 3 Test tubes, Borosilicate glass 5.1

Scherf

Diam. mm	Length mm	Beaded rim	PK	Cat. No.
10	75	No	250	4.658 095
12	75	No	250	7.623 956
13	100	No	250	6.223 211
16	100	No	250	6.265 921
16	125	No	250	4.658 096
16	150	No	250	4.658 097
18	150	No	125	4.658 098
20	150	No	100	6.237 590
8	70	Yes	100	4.658 099
10	75	Yes	100	4.658 100
12	75	Yes	100	4.658 101
10	100	Yes	100	4.658 102
12	100	Yes	100	4.658 103
16	100	Yes	100	4.658 104
14	130	Yes	100	4.658 105
16	130	Yes	100	4.658 106
20	150	Yes	100	4.658 107
25	150	Yes	50	4.658 108
18	180	Yes	100	4.658 109
20	180	Yes	100	4.658 110
25	200	Yes	50	4.658 111
30	200	Yes	50	4.658 112



## Vessels/Test tubes



### 1 Test tubes, Borosilicate glass 3.3

Scherf

Diam. mm	Length mm	Beaded rim	PK	Cat. No.
10	75	No	100	4.658 113
12	75	No	100	4.658 114
10	100	No	100	4.658 115
12	100	No	100	6.281 701
16	100	No	100	4.658 116
14	130	No	100	4.658 117
16	130	No	100	4.658 118
20	150	No	100	4.658 119
25	150	No	50	4.658 120
16	160	No	100	6.266 691
18	180	No	100	4.658 121
20	180	No	100	4.658 122
25	200	No	50	6.281 479
30	200	No	50	4.656 051
10	75	Yes	100	4.658 123
12	75	Yes	100	4.658 124
10	100	Yes	100	4.658 125
12	100	Yes	100	4.658 126
14	130	Yes	100	4.658 127
16	130	Yes	100	4.658 128
20	150	Yes	100	4.658 129
25	150	Yes	50	4.658 130
16	160	Yes	100	4.658 131
18	180	Yes	100	4.658 132
20	180	Yes	100	4.658 133
25	200	Yes	50	4.658 134
30	200	Yes	50	4.658 135



### 2 Test tubes, Fiolax® glass

Fiolax®. Round bottom with rim. Light-walled and resistant to rapid temperature changes and localised heating.

DWK Life Sciences

Diam. mm	Length mm	PK	Cat. No.
8	70	100	9.190 001
10	75	100	9.190 003
10	100	100	9.190 006
12	75	100	9.190 008
12	100	100	9.190 011
14	130	100	9.190 013
16	130	100	9.190 016
16	160	100	9.190 021
18	180	100	9.190 023
20	150	100	9.190 026
20	180	100	9.190 028
25	150	50	9.190 033
25	200	50	9.190 036
30	200	50	9.190 038



# 1. General laboratory consumables

## Vessels/Test tubes

### 1 Test tubes, DURAN®, heavy wall

Available rimmed or rimless. DURAN® test tubes have a heavier wall and considerable mechanical strength and excellent resistance to temperature changes.

DWK Life Sciences

Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

Diam. mm	Length mm	Beaded rim	PK	Cat. No.
8	70	With	100	9.190 101
10	75	With	100	9.190 103
10	100	With	100	9.190 106
12	75	With	100	9.190 108
12	100	With	100	9.190 111
13	100	With	100	9.190 112
14	130	With	100	9.190 113
16	130	With	100	9.190 116
16	160	With	100	9.190 121
18	180	With	100	9.190 123
20	150	With	100	9.190 126
20	180	With	100	9.190 128
25	150	With	50	9.190 133
25	200	With	50	9.190 136
30	200	With	50	9.190 138
8	70	Without	100	9.190 151
10	75	Without	100	9.190 153
10	100	Without	100	9.190 156
12	75	Without	100	9.190 158
12	100	Without	100	9.190 161
13	100	Without	100	9.190 162
14	130	Without	100	9.190 163
16	130	Without	100	9.190 166
16	160	Without	100	9.190 171
18	180	Without	100	9.190 173
20	150	Without	100	9.190 176
20	180	Without	100	9.190 178
25	150	Without	50	9.190 183
25	200	Without	50	9.190 186
30	200	Without	50	9.190 188

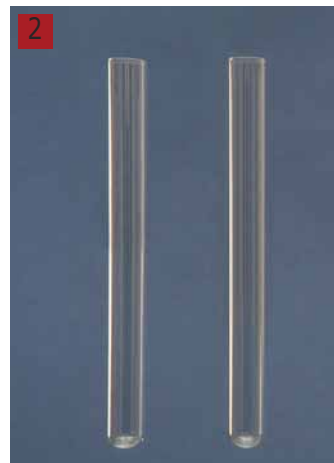


### 2 Test tubes, AR-Glas®

Round bottom, heavy wall.

**NEW**  
Hecht

Diam. mm	Length mm	PK	Cat. No.
12	100	100	9.190 215
16	100	100	9.190 230
16	160	100	9.190 235
18	180	100	9.190 240



### 3 Test tubes, DURAN® tubing, without graduation, with NS joint, with PE stopper

Made of DURAN® tubing. Round bottom test tubes with NS socket and PE stopper.

Lenz

Diam. mm	Length mm	Ground size NS	PK	Cat. No.
16	100	14/23	1	9.190 410
16	125	14/23	1	6.233 870
16	160	14/23	1	9.190 416
18	150	14/23	1	6.243 070
18	180	14/23	1	9.190 418
22	150	19/26	1	6.235 895
28	150	24/29	1	6.231 352
28	200	24/29	1	6.226 470



## Vessels/Test tubes



### 1 Test tubes, borosilicate glass 3.3, graduated, with stopper

Wall thickness approx. 1.2mm. With NS 14/23 ground socket and PP stopper.  
Graduations of approx. volume and markings are in high contrast white enamel.  
Supplied singly.

BRAND

Diam.	Length	Grad.	PK	Cat. No.
mm	mm	ml		
15	165	0.1	1	9.190 508
17	200	0.2	1	9.190 516
17	220	0.2	1	9.190 521
19	220	0.5	1	9.190 524



### 2 Culture tubes, Borosilicate glass 3.3, screw cap

For culture growth, transport and storage. Heavy walled, thickness 1.1 mm.  
Wide neck for easy inoculation and cleaning. Complete with aluminium or plastic screw cap and rubber sealing gasket. Autoclavable.

schuett-biotec

Diam.	Nominal capacity	Length	PK	Cat. No.
mm	ml	mm		
16	15	98	100	9.010 612
16	20	150	100	9.190 600
16	15	98	100	9.010 613
16	20	150	100	9.190 605
25	50	150	100	9.010 620

Spare screw caps on request.



### 3 Tubes, culture, Soda-lime glass, screw cap

Autoclavable. For culture growth, transport and storage. Complete with aluminium or plastic screw cap and rubber sealing gasket. The 5 ml size has a frosted marking area.

schuett-biotec

Further sizes available on request.

Diam.	Nominal capacity	Length	PK	Cat. No.
mm	ml	mm		
12	3	35	100	9.010 608
14	5	50	100	9.010 602
27	15	45	100	6.266 815
27	20	50	100	6.264 629
27	30	75	100	6.266 816
14	5	50	100	9.010 603
27	15	45	100	9.010 610
27	20	50	100	9.010 611
27	30	75	100	9.010 601

Spare screw caps on request.



### 4 Rolled rim bottles, Soda-lime glass with PE snap-on lid

With PE snap-on lid. Tight closing.

Nominal capacity	Ø with Cover	Height	PK	Cat. No.
ml	mm	mm		
3	19	31	200	9.400 211
5	19	41	200	9.400 215
10	21	51	200	9.400 220
10	22	46	200	9.400 225
15	24	53	200	9.400 235
20	27	56	200	9.400 240
20	25	71	200	9.400 250
25	30	51	250	9.400 230
30	28	76	200	9.400 260
40	30	81	200	9.400 270
50	30	101	200	9.400 280
100	34	146	100	9.400 290
25	30	65	200	6.270 036
10	24	32	200	7.609 731

### Storage cases for culture tubes

For the protective storage and transportation of culture tubes.

*schuett-biotech*

For	Material	PK	Cat. No.
50 jars, 35x12 mm	Polystyrene	1	9.010 609 <b>1</b>
50 jars, 35x12 mm	Polypropylene, autoclavable	1	9.010 614 <b>1</b>
49 jars, 50x14 mm	Polypropylene, box black, autoclavable	2	9.010 606 <b>1</b>
100 jars, 50x14 mm	Wood	1	9.010 605 <b>2</b>



9.010 609

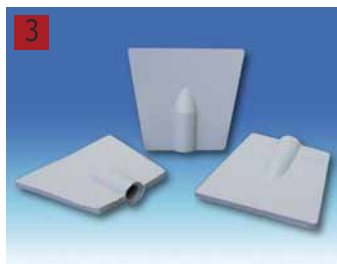


9.010 605

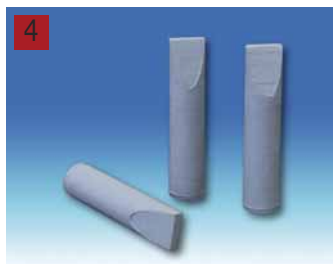
### Test tube cleaners, rubber

For removing heavy soiling from test tubes by scraping. With 5 mm boring for rod.

Form	Width mm	PK	Cat. No.
Rubber Spatulas (grey)	35	1	9.190 902 <b>3</b>
Rubber Spatulas (red)	35	1	6.051 806 <b>1</b>
Rubber Spatulas (transparent)	35	1	6.076 243 <b>1</b>
Rod-shaped	8	1	9.190 901 <b>4</b>
4 blades	30	1	9.190 903 <b>5</b>



9.190 902



9.190 901



9.190 903

### 6 LLG-Stoppers, PE, for test tubes

Available in different sizes and colours.

For tubes diam. mm	Colour	PK	Cat. No.
12 - 13	neutral	100	9.231 270
12 - 13	blue	100	9.231 271
12 - 13	yellow	100	9.231 272
12 - 13	red	100	9.231 273
12 - 13	green	100	9.231 274
15 - 16	neutral	100	9.231 275
15 - 16	blue	100	9.231 276
15 - 16	yellow	100	9.231 277
15 - 16	red	100	9.231 278
15 - 16	green	100	9.231 279



### 7 Stoppers for test tubes, PE

Polyethylene.

*Kartell*

For tubes diam. mm	Colour	PK	Cat. No.
15 to 17	neutral	100	9.231 641
11 to 13	neutral	100	9.231 642
15 to 17	blue	100	9.231 643
11 to 13	blue	100	9.231 644
15 to 17	yellow	100	9.231 645
11 to 13	yellow	100	9.231 646
15 to 17	red	100	9.231 647
11 to 13	red	100	9.231 648
15 to 17	green	100	9.231 649
11 to 13	green	100	9.231 650





## Vessels/Test tubes-Stoppers



### 1 Sealing caps for test tubes, versatile silicone

Transparent. Sealing caps have a slight taper and offer a very secure hold and are comfortable to use.

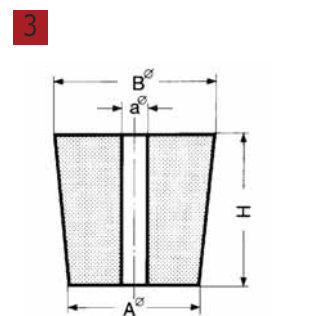
Saint Gobain

Ext. diam. mm	PK	Cat. No.
10	1	9.231 510
12	1	9.231 512
14	1	9.231 514
16	1	9.231 516
18	1	9.231 518
20	1	9.231 520
22	1	9.231 522
25	1	9.231 541
30	1	9.231 530
35	1	9.231 532
50	1	9.231 536



### 2 3 Stoppers, natural rubber, with single hole

Grey. DIN 12871.



Bottom diam. mm	Top diam. mm	Height mm	Bore diam. mm	PK	Cat. No.
10.5	14.5	20	3	1	9.230 310
12.5	16.5	20	3	1	9.230 312
14.0	18.0	20	3	1	9.230 314
17.0	22.0	25	4	1	9.230 317
18.0	24.0	30	4	1	9.230 318
21.0	27.0	30	5	1	9.230 321
23.0	29.0	30	5	1	9.230 323
26.0	32.0	30	6	1	9.230 326
29.0	35.0	30	6	1	9.230 329
31.0	38.0	35	7	1	9.230 331
41.0	49.0	40	20	1	9.230 351
41.0	49.0	40	23	1	6.242 677



### 4 Stoppers, rubber, with turn-over flange

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

Diam. mm	PK	Cat. No.
7.1	100	9.230 640
10.2	50	9.230 641
12.7	50	9.230 642
14.9	20	9.230 643
15.9	20	9.230 644
19.4	20	9.230 645
23.7	10	9.230 646
30.7	5	9.230 647



### 5 Stoppers, silicone, with turn-over flange

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

Diam. mm	PK	Cat. No.
7.1	100	9.230 476
10.2	50	9.230 477
12.7	50	9.230 478
14.9	20	9.230 479
15.9	20	9.230 480
19.4	20	9.230 489
23.7	10	9.230 499



### 1 Rubber stoppers

Grey, DIN 12871. Solid.

Deutsch &amp; Neumann



Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	9.230 203
5.0	9.0	20	1	9.230 205
8.0	12.0	20	1	9.230 208
10.5	14.5	20	1	9.230 210
12.5	16.5	20	1	9.230 212
14.0	18.0	20	1	9.230 214
17.0	22.0	25	1	9.230 217
18.0	24.0	30	1	9.230 218
21.0	27.0	30	1	9.230 221
23.0	29.0	30	1	9.230 223
26.0	32.0	30	1	9.230 226
29.0	35.0	30	1	9.230 229
31.0	38.0	35	1	9.230 231
36.0	44.0	40	1	9.230 236
41.0	49.0	40	1	9.230 241
47.0	55.0	40	1	9.230 247
50.5	59.5	45	1	9.230 250
56.0	65.0	45	1	9.230 256
60.0	70.0	50	1	9.230 260
64.5	75.5	55	1	9.230 264
71.0	83.0	60	1	9.230 271
79.0	92.0	65	1	9.230 279
87.0	100.0	65	1	9.230 287
94.0	107.0	65	1	9.230 294

### 2 Silicone rubber stoppers

Transparent. To DIN 12871. Solid. Operating temperature up to 220 °C. Supplied singly.

Deutsch &amp; Neumann



Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	9.230 503
5.0	9.0	20	1	9.230 505
8.0	12.0	20	1	9.230 508
10.5	14.5	20	1	9.230 510
12.5	16.5	20	1	9.230 512
14.0	18.0	20	1	9.230 514
17.0	22.0	25	1	9.230 517
18.0	24.0	30	1	9.230 518
21.0	27.0	30	1	9.230 521
23.0	29.0	30	1	9.230 523
26.0	32.0	30	1	9.230 526
29.0	35.0	30	1	9.230 529
31.0	38.0	35	1	9.230 531
36.0	44.0	40	1	9.230 536
41.0	49.0	40	1	9.230 541
47.0	55.0	40	1	9.230 547
50.5	59.5	45	1	9.230 550
56.0	65.0	45	1	9.230 556
60.0	70.0	50	1	9.230 560
64.5	75.5	55	1	9.230 564
71.0	83.0	60	1	9.230 571
79.0	92.0	65	1	9.230 579
87.0	100.0	65	1	9.230 587
94.0	107.0	65	1	9.230 594



## Vessels/Stoppers



### 1 Stoppers, cork

A1 quality. Non-porous.

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3	6	16	1	9.230 703
6	9	17	1	9.230 706
7	10	18	1	9.230 707
8	11	20	1	9.230 708
9	12	20	1	9.230 709
10	13	22	1	9.230 710
12	15	22	1	9.230 712
14	17	22	1	9.230 714
15	18	22	1	9.230 715
16	19	23	1	9.230 716
18	22	26	1	9.230 718
20	24	27	1	9.230 720
22	26	27	1	9.230 722
24	28	27	1	9.230 724
26	30	27	1	9.230 726
28	32	27	1	9.230 728
30	34	27	1	9.230 730
32	36	27	1	9.230 732
34	38	27	1	9.230 734
36	40	27	1	9.230 736
38	42	27	1	9.230 738
41	45	27	1	9.230 741
45	50	30	1	9.230 745
50	55	30	1	9.230 750
55	60	30	1	9.230 755
60	65	30	1	9.230 760
65	70	30	1	9.230 765

➔ For cellulose stoppers, please see page 1372.



### 2 Cork borers

Nickel-plated brass. With handles. Tube wall 0.4 mm.

Usbeck

Type	PK	Cat. No.
3-piece set, 5 ... 7.5 mm tube dia.	1	6.269 657
6-piece set, 5 ... 11.25 mm tube dia.	1	9.143 106
9-piece set, 5 ... 15 mm tube dia.	1	9.143 109
12-piece set, 5 ... 18.75 mm tube dia.	1	9.143 112
18-piece set, 5 ... 26.5 mm tube dia.	1	9.143 118

We can **supply** this  
**manufacturer's**  
**whole**  
**product range !**



# 1. General laboratory consumables

## Vessels/Tube racks

### 1 2 LLG-Microtube racks, PP, 80-well NEW



Made of Heavy-duty Polypropylene. Designed to hold 1.5 ml/2.0 ml microtubes (5 x 16 arrays) in a temperature range from -80 °C to 121 °C. Molded numbers on the surface for easy samples identification. Suitable for autoclaving at 121 °C.

1



2



Colour	PK	Cat. No.
yellow, red, blue, orange, green	5	4.672 062
yellow	5	4.672 063
red	5	4.672 064
blue	5	4.672 065
orange	5	4.672 067
green	5	4.672 068

### 3 Microtube Rack, PP BRAND



Grey. Numbered positions for 20 x 1.5 ml microcentrifuge tubes. Autoclavable (121°C). Dimensions (l x w x h): 210 mm x 70 mm x 37 mm. Accessories: Microcentrifuge tube racks can be equipped with inserts to accommodate 0.5 ml microcentrifuge tubes. Easy permanent assembly.

3



Array	PK	Cat. No.
2 x 10	1	9.409 380
Adapter (20 Units)	20	7.020 330

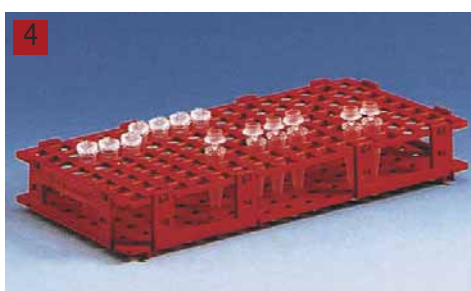
### 4 Tube Rack, PP BRAND



Stackable racks with alphanumerical positions. Operating temperature -20 °C to +90 °C. Autoclavable at 121 °C (2 bar), acc. DIN EN 285. Density 1.2 g/cm<sup>3</sup>. Will not float in water bath. Racks are supplied in two-pieces (Ø 11 mm, for micro tubes) or three-pieces (Ø 13 mm for cryogenic tubes) for convenient and permanent assembly. Dimensions (l x w x h): 265 mm x 126 mm x 38 mm.

For tubes diam.	Colour	Array	PK	Cat. No.
<b>mm</b>				
11	White	8 x 16	1	9.409 308
11	Blue	8 x 16	1	9.409 309
11	Red	8 x 16	1	9.409 312
13	White	6 x 14	1	9.409 314
13	Blue	6 x 14	1	9.409 316
13	Red	6 x 14	1	9.409 321

4



## Vessels/Tube racks

### Eppendorf Tube Racks, PP

Eppendorf AG



- Numbered positions for easy handling and identification
- Made of high quality polypropylene (PP) for chemical and physical resistance
- Temperature stability from -86 °C to 121 °C
- Autoclavable (121 °C, 20 min)
- Laboratory washer-safe for easy cleaning
- Stackable to save lab space

Array	For	PK	Cat. No.
48	Tubes, 0.5 ml	2	<b>6.289 108</b> 1
36	Tubes, 1.5 ml / 2.0 ml	2	<b>6.289 109</b> 2
12	Tubes, 5.0 ml / 15 ml	2	<b>6.289 110</b> 3
12	Tubes, 5.0 ml / 15 ml / 50 ml	2	<b>6.289 111</b> 4
36	Cryogenic tubes	2	<b>6.289 112</b> 5



6.289 108



6.289 109



6.289 110



6.289 111

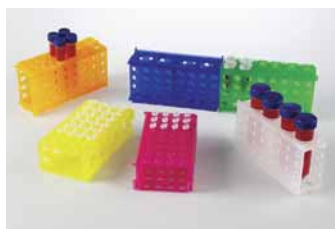


6.289 112

**6**

### 6 Microtube racks, PP, 4-Way

Heathrow Scientific



Racks feature a unique system of tabs and slots, which facilitate easy assembly and sturdy fit to build as large as rack as you need. Heavy-duty polypropylene racks can hold 4 x 50 ml or 12 x 15 ml conical tubes, 32 x 1.5 ml or 32 x 0.5 ml microtubes. Autoclavable.

Dimensions (L x W x H): 175 x 95 x 51 mm.

Colour	PK	Cat. No.
Natural	1	<b>9.409 131</b>
Blue	1	<b>9.409 132</b>
Green	1	<b>9.409 133</b>
Pink	1	<b>9.409 134</b>
Yellow	1	<b>9.409 135</b>
Orange	1	<b>9.409 136</b>
Blue, green, pink, yellow, orange	5	<b>9.409 137</b>

**7**

### 7 Test Tube Racks, PP, clinical, 4-Way

Heathrow Scientific



Especially suited for round, flat and conical blood collection and culture tubes. 6 racks can be assembled to build a large rack. Sturdy polypropylene racks can hold tubes of 13 x 75 mm, 13 x 100 mm, 16 x 100 mm, 16 x 125 mm, 17 x 120 mm or volumes of 3.5 ml, 7 ml, 10 ml, 15 ml. Different sizes to hold 12 or 18 tubes dependent on tube size. Dimensions (L x W x H): 232 x 70 x 95 mm.

- Racks can be used in water baths and placed in freezers
- Alphanumeric identification
- Chemically resistant
- Autoclavable

Colour	PK	Cat. No.
Blue, purple, green, red, transparent	5	<b>6.292 162</b>
Blue	5	<b>6.292 163</b>
Purple	5	<b>6.292 164</b>
Green	5	<b>6.292 165</b>
Transparent	5	<b>6.292 166</b>

# 1. General laboratory consumables

## Vessels/Tube racks

### 1 2 Tube Rack Adapt-a-Rack™, POM



Heathrow Scientific

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 30 mm (5 to 50 ml) tubes simultaneously and still allow full viewing of the tube label. Racks can be linked together for additional holding capacity. Autoclavable. Dimensions (W x D x H): 181 x 56 x 76 mm



Colour	Array	PK	Cat. No.
Blue/Green	4	2	4.657 434
Blue/Yellow	4	2	4.674 952
Pink/White	4	2	4.674 953
Pink/Pink	4	2	6.287 302
Yellow/Yellow	4	2	6.287 303
Blue/Blue	4	2	9.194 027
Green/Green	4	2	9.194 028
White/White	4	2	9.194 029

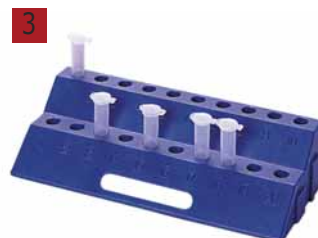


### 3 Microtube Rack, 20-Well, PP



Heathrow Scientific

Interlocking racks with 2 x 10 array hold 0.5/1.0/1.5/2.0ml tubes. Polypropylene racks lock together on each side, permitting the user to attach several together to increase capacity. Features an innovative "hold-it" finger slot on the front, and internal ribbing for stability. Autoclavable. Dimensions: 210 mm x 90 mm x 46 mm.



Colour	PK	Cat. No.
blue	1	9.409 088

### 4 Microtube racks, PP, 96-Well



Heathrow Scientific

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



Colour	PK	Cat. No.
Blue, green, pink, yellow and orange	5	9.193 982
Natural	1	6.237 620
Blue	1	6.237 267
Green	1	6.237 268
Pink	1	6.237 621
Yellow	1	6.237 622

### 5 6 Tube Rack pop-up™, foldable, PP



Heathrow Scientific

Robust polypropylene construction. Simple, easy to open and close. Flatten for compact storage. Pops up for instant use. Expand and collapse when racks are needed. Printed grid aids rapid retrieval. Stack racks in open or closed position. Saves space when racks are not in use. Not recommended for steam sterilisation. Dimensions (L x W x H): 255 mm x 137 mm x 72 mm when expanded, 21 mm high when collapsed.



For	Colour	PK	Cat. No.
21 x 15 ml and 12 x 50 ml tubes	Pink	2	9.193 997
21 x 15 ml and 12 x 50 ml tubes	Blue	2	9.193 998
45 x 15 ml tubes	Purple	2	6.254 577
18 x 50 ml tubes	Green	2	6.254 578





## Vessels/Tube racks

**1**


### 1 Tube Rack Rota-Rack®, PP



Heathrow Scientific

Interlocked racks. Rotate each of the four modules independently. Use several sizes of test tubes, culture tubes, centrifuge tubes or microcentrifuge tubes at the same time. Autoclavable.

Each module of the Rota-Rack® for large tubes holds 2 x 50 ml tubes, 6 x 20 mm tubes or 10 x 10/13 mm tubes. Each module of the Rota-Rack® for microtubes holds 6 x 15 ml tubes, 9 x 1.5/2.0 ml tubes, 12 x 0.5 ml tubes or 32 x 0.2 ml PCR tubes or 4 x 8-tube strips.

Description	Width mm	Length mm	Height mm	PK	Cat. No.
Rota-Rack® for large tubes	110	224	110	1	<b>9.193 988</b>
Rota-Rack® for micro tubes	100	210	100	1	<b>9.193 989</b>

**2**


### 2 Microtube Storage Boxes, PP, 50-/100-Well



Heathrow Scientific

Autoclavable. Compact storage box has angled front slot for easy access to tubes. Rugged, polypropylene box has durable three-point hinges, snapping clasp for secure closure, moulded grid lines on lid, imprinted coordinates on bottom of base and imprinted and raised coordinates on tube wells. Ideal for sample or case study storage. Holds 1.5 ml to 2.0 ml microtubes. Resist storage temperatures from -80 to +121 °C.

Colour	Dimensions (l x w x h) mm	Array	PK	Cat. No.
blue, green, purple, yellow, orange	141 x 92 x 56	50	5	<b>9.193 985</b>
natural	141 x 92 x 56	50	1	<b>6.243 162</b>
blue, green, purple, yellow, orange	141 x 151 x 57	100	5	<b>9.193 981</b>
natural	141 x 151 x 57	100	1	<b>6.206 710</b>
black	141 x 151 x 57	100	1	<b>6.253 894</b>

**3**


### 3 Test tube rack, PP, "monoblock"



ISOLAB

Blue. Manufactured from high density polypropylene. Moulded-in alpha numeric grid reference on the top tier of the rack allows easy sample identification. Due to their weights, they do not float in the water baths. Autoclavable.

For tubes diam.	Array	Dimensions (W x D x H) mm	PK	Cat. No.
12 ... 13	50	275 x 160 x 70	1	<b>9.193 141</b>
15 ... 16	50	275 x 160 x 70	1	<b>9.193 142</b>
17 ... 18	50	275 x 160 x 70	1	<b>9.193 143</b>
18 ... 20	45	275 x 160 x 70	1	<b>9.193 144</b>
28 ... 30	26	275 x 160 x 70	1	<b>9.193 145</b>

**4**


### 4 Tube rack, PP



ISOLAB

Manufactured from high density polypropylene. Due to their weights, they do not float in the water baths, not even in agitated water. These racks are supplied dismantled and can be easily assembled. Autoclavable. A moulded-in alpha-numeric grid reference on the top tier of the rack allows easy sample identification.

For tubes diam.	Array	Dimensions (W x D x H) mm	Colour	PK	Cat. No.
13	84	125 x 265 x 70	blue	1	<b>4.663 315</b>
16	55	125 x 265 x 70	blue	1	<b>4.663 316</b>
18	55	125 x 265 x 70	blue	1	<b>4.678 588</b>
20	40	125 x 265 x 70	blue	1	<b>4.663 317</b>
25	32	125 x 265 x 90	blue	1	<b>4.663 318</b>
30	21	125 x 265 x 90	blue	1	<b>4.663 319</b>



# 1. General laboratory consumables

## Vessels/Tube racks

### 1 PCR Multirack, PP



ISOLAB

Fully autoclavable. This storage/working rack, with lid, is designed to work with different PCR volumes at the same time. It can accommodate up to 32 individual 0.2 ml PCR tubes, 24 pieces of 1.5/2.0 ml and 16 pieces of 0.5 ml microtubes. Tube wells are alpha-numerically matrixed with raised bold type for accurate sample identification. The rack also has a transparent lid for easy viewing of samples. Frosted writing panels on four sides allow labelling or writing.

Rack dimensions (l x w x h): 210 x 115 x 50 mm.

For tubes	Array	PK	Cat. No.
ml			
0,2 / 0,5 / 1,5 - 2,0	32 / 16 / 24	1	6.255 805



### 2 Rack for centrifuge tubes, PP



ISOLAB

Suitable to hold 15 ml and 50 ml centrifuge tubes with conical bottom. Just push the tubes into the cavities and leave them. Unique design has an angular end to provide easy stacking for space saving purpose. Moulded in alpha numeric grid reference on the rack allows easy sample identification.

For tubes	Array	Dimensions (W x D x H)	PK	Cat. No.
ml		mm		
15	5 x 5	150 x 120 x 32	1	6.267 412
50	5 x 5	230 x 190 x 35	1	6.267 413



### 3 Mircotube Rack (1.5ml), PP



Kartell

Two-tier, available in four different colours. These versatile racks are autoclavable and can be used dry, in water baths or in freezers. Each rack has an alpha-numeric reference for easy sample identification. Can accommodate 100 x 1.5 ml tubes with closed caps or without caps, and 50 x 1.5 ml tubes with open caps. Racks are stackable even when loaded and have (purpose) designed label spaces on each side (for bar coding, etc.). Dimensions (l x w x h): 263 x 109.5 x 45 mm

Colour	Array	PK	Cat. No.
blue	100	1	6.225 714
yellow	100	1	6.238 141
white	100	1	6.226 179
red	100	1	6.401 579



## Vessels/Tube racks

### Tube Rack, epoxy-coated steel

Chemically resistant racks for transport or sample handling.

Heathrow Scientific

**Typ A:** Rack suitable for low profile tubes up to a diameter of 25 mm or a diameter of 33 mm. Mesh bottom support.

**Typ B:** Support capped tubes 15 ml up to 20 mm diameter 3x5 format or 50 ml tubes up to 30 mm diameter 2x4 format. Slotted bottom.

**Typ C:** Holds bottles 250 ml up to 60 mm diameter. Slotted bottom

Type	For tubes diam.	Width	Length	Height	Array	PK	Cat. No.
	mm	mm	mm	mm			
A	25	64	164	32	2 x 6	1	9.194 021
A	25	145	271	32	5 x 10	1	9.194 022
A	33	80	212	60	2 x 6	1	9.194 023
A	33	189	355	60	5 x 10	1	9.194 024 <b>1</b>
B	20	76	127	76	3 x 5	1	6.243 203
B	30	80	147	89	2 x 4	1	6.239 754
C	60	135	205	104	2 x 3	1	9.194 025 <b>2</b>

**1**



9.194 024

**2**



9.194 025

### LLG-Test tube rack, PP



Made of PP. Stackable. Supplied in three parts and are easy to assemble. Alphanumeric grid referenced on top tier for easy identification of probes. Can be used in water baths. With large lateral marking area. Autoclavable.

For tubes diam.	Colour	Dimensions (W x D x H)	Array	PK	Cat. No.
mm		mm			
16	white	251 x 106 x 71	60	1	6.286 169
16	blue	251 x 106 x 71	60	1	6.286 170 <b>3</b>
16	red	251 x 106 x 71	60	1	6.286 171
20	white	252 x 108 x 72	40	1	6.286 172 <b>4</b>
20	blue	252 x 108 x 72	40	1	6.286 173
20	red	252 x 108 x 72	40	1	6.286 174
30	white	252 x 107 x 71	21	1	6.286 175
30	blue	252 x 107 x 71	21	1	6.286 176
30	red	252 x 107 x 71	21	1	6.286 177 <b>5</b>

**3**



6.286 170

**4**



6.286 172

**5**



6.286 177

### 1 Test tube racks Switch-Grid™, POM



Bel-Art Products

This split-frame rack holds up to two different grid inserts. For 10 to 30 mm diameter test tubes. Dimension frame (W x D x H): 318 x 111 x 67 mm.

- 5 colored coded grid inserts
- Three tier rack
- With rubber feet
- Stackable
- Chemical resistant
- Autoclavable at 121 °C



Type	For diam. mm	Colour	Array	PK	Cat. No.
Rack frame		white		1	4.674 982
Grid insert	10 ... 13	orange	7 x 6	4	4.674 983
Grid insert	13 ... 16	blue	6 x 5	4	4.674 984
Grid insert	16 ... 20	green	5 x 4	4	4.674 985
Grid insert	20 ... 25	fuchsia	4 x 3	4	4.674 986
Grid insert	25 ... 30	yellow	3 x 2	4	4.674 987

### 2 Test tube rack, PP



BRAND

PP. For all common test tube diameters. Very sturdy design. All openings are widely spaced apart to accommodate screw cap tubes. All racks have the same footprint and can be stacked easily when empty. Modified PP with greater density than water makes them ideal for use in water baths. Large marking area (60 x 12mm) for barcode labels and alphanumeric references for clear sample identification. Racks are supplied in three parts for quick and permanent assembly. Continuous use temperature -20 to +90 °C. Autoclavable at 121 °C (2 bar), according to DIN EN 285. Choice of colours as outlined below.



For tubes diam. mm	Colour	Dimensions (l x w x h) mm	Array	PK	Cat. No.
13	White	265 x 126 x 75	6 x 14	1	9.193 240
13	Blue	265 x 126 x 75	6 x 14	1	9.193 241
13	Red	265 x 126 x 75	6 x 14	1	9.193 242
16	White	265 x 126 x 75	5 x 11	1	9.193 230
16	Blue	265 x 126 x 75	5 x 11	1	9.193 231
16	Red	265 x 126 x 75	5 x 11	1	9.193 232
18	White	265 x 126 x 75	5 x 11	1	9.193 245
18	Blue	265 x 126 x 75	5 x 11	1	9.193 246
18	Red	265 x 126 x 75	5 x 11	1	9.193 247
20	White	265 x 126 x 75	4 x 10	1	9.193 250
20	Blue	265 x 126 x 75	4 x 10	1	9.193 251
20	Red	265 x 126 x 75	4 x 10	1	9.193 252
25	White	265 x 126 x 88	4 x 8	1	9.193 255
25	Blue	265 x 126 x 88	4 x 8	1	9.193 256
25	Red	265 x 126 x 88	4 x 8	1	9.193 257
30	White	265 x 126 x 88	3 x 7	1	9.193 260
30	Blue	265 x 126 x 88	3 x 7	1	9.193 261
30	Red	265 x 126 x 88	3 x 7	1	9.193 262

### 3 Tube standing and drying racks, PP



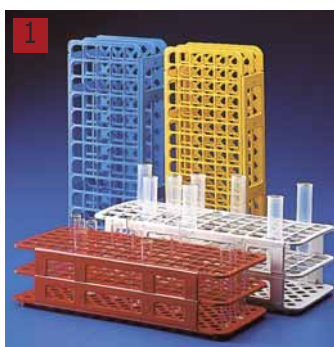
Heathrow Scientific

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 mm to 13 mm and 14 mm to 17 mm. Includes embossed indexing and drainage holes.



For tubes	Colour	Width mm	Length mm	Height mm	No. of pegs	PK	Cat. No.
14 ... 17 mm	White	104	188	69	50	1	6.243 212
14 ... 17 mm	Blue	104	188	69	50	1	6.243 213
10 ... 13 mm	White	126	182	69	96	1	6.243 210
10 ... 13 mm	Blue	126	182	69	96	1	6.243 211

## Vessels/Tube racks



### 1 Tube racks, PP



Kartell

Will not float. Alphanumeric grid referenced on top tier for easy identification of samples. Stackable when empty. Can be used in freezers or water baths. Autoclavable at 121 °C for 20 min.

For tubes diam.	Colour	Dimensions (l x w x h)	Array	PK	Cat. No.
mm		mm			
13	white	246 x 105 x 64	90	1	6.205 483
13	blue	246 x 105 x 64	90	1	6.224 460
13	yellow	246 x 105 x 64	90	1	6.206 439
13	red	246 x 105 x 64	90	1	9.193 200
16	white	246 x 105 x 72	60	1	6.205 109
16	blue	246 x 105 x 72	60	1	6.206 347
16	yellow	246 x 105 x 72	60	1	6.206 305
16	red	246 x 105 x 72	60	1	6.204 936
20	white	246 x 105 x 72	40	1	6.205 110
20	blue	246 x 105 x 72	40	1	6.206 206
20	yellow	246 x 105 x 72	40	1	6.224 461
20	red	246 x 105 x 72	40	1	9.193 201
25	white	295 x 125 x 85	40	1	6.236 328
25	blue	295 x 125 x 85	40	1	6.236 329
25	yellow	295 x 125 x 85	40	1	6.236 330
25	red	295 x 125 x 85	40	1	9.193 202
30	white	300 x 112 x 85	24	1	6.207 191
30	blue	300 x 112 x 85	24	1	7.632 543
30	red	300 x 112 x 85	24	1	6.401 582
30	yellow	300 x 112 x 85	24	1	6.204 134



### 2 Test tube racks Nalgene™, acetal plastic



Thermo Scientific

Thermo Scientific™ Nalgene™ Unwire™ test tube racks manufactured with Resmer™ Manufacturing Technology. 3-tier grid design. Will not float. Single moulding, with no sharp edges or corners. Alphanumeric grid referenced on top tier for easy identification of samples. End plates can be labelled or written on. Autoclavable.

For tubes diam.	Colour	Width	Length	Height	Array	PK	Cat. No.
mm		mm	mm	mm			
13	White	102	200	57	6 x 12	1	9.194 513
13	Orange	102	200	57	6 x 12	1	9.194 523
13	Yellow	102	200	57	6 x 12	1	9.194 533
13	Blue	102	200	57	6 x 12	1	9.194 543
13	Green	102	200	57	6 x 12	1	9.194 553
13	Red	102	200	57	6 x 12	1	9.194 563
16	White	127	248	70	6 x 12	1	9.194 514
16	Orange	127	248	70	6 x 12	1	9.194 524
16	Yellow	127	248	70	6 x 12	1	9.194 534
16	Blue	127	248	70	6 x 12	1	9.194 544
16	Green	127	248	70	6 x 12	1	9.194 554
16	Red	127	248	70	6 x 12	1	9.194 564
20	White	102	250	83	4 x 10	1	9.194 515
20	Orange	102	250	83	4 x 10	1	9.194 525
20	Yellow	102	250	83	4 x 10	1	9.194 535
20	Blue	102	250	83	4 x 10	1	9.194 545
20	Green	102	250	83	4 x 10	1	9.194 555
20	Red	102	250	83	4 x 10	1	9.194 565
25	White	121	300	92	4 x 10	1	9.194 516
25	Orange	121	300	92	4 x 10	1	9.194 526
25	Yellow	121	300	92	4 x 10	1	9.194 536
25	Blue	121	300	92	4 x 10	1	9.194 546
25	Green	121	300	92	4 x 10	1	9.194 556
25	Red	121	300	92	4 x 10	1	9.194 566
30	White	108	283	83	3 x 8	1	9.194 517
30	Orange	108	283	83	3 x 8	1	9.194 527
30	Yellow	108	283	83	3 x 8	1	9.194 537
30	Blue	108	283	83	3 x 8	1	9.194 547
30	Green	108	283	83	3 x 8	1	9.194 557
30	Red	108	283	83	3 x 8	1	9.194 567

# 1. General laboratory consumables

## Vessels/Tube racks

### 1 LLG-Test tube racks, wire/nylon

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

Length	Width	Height	Array	PK	Cat. No.
mm	mm	mm			
130	54	70	2 x 6	1	6.286 410
248	55	70	2 x 12	1	6.286 411
248	73	70	3 x 12	1	6.286 412
130	95	70	4 x 6	1	6.286 413
248	94	70	4 x 12	1	6.286 414
215	208	70	10 x 10	1	6.286 415
235	85	80	6 x 2	1	6.286 416



### 2 Test tube racks, wire/nylon

Wire with white nylon coating. 3-tier design , second tier approximately 30 mm high. Opening size 18 x 18 mm. Temperature resistant up to 80 °C max.

Height	Array	PK	Cat. No.
mm			
70	3 x 4	1	6.800 654
70	2 x 6	1	9.193 762
70	2 x 10	1	9.193 764
70	2 x 12	1	9.193 766
70	3 x 12	1	9.193 768
70	4 x 6	1	9.193 772
70	4 x 12	1	9.193 774
70	10 x 10	1	9.193 776
100	2 x 12	1	9.193 784
100	4 x 12	1	9.193 788



### 3 Test tube racks, stainless steel

Corrosion resistant, stainless steel wire. Electrochemically polished. Opening size 18 x 18 mm. Mesh grid levels are positioned at the top and 30 mm above the base.

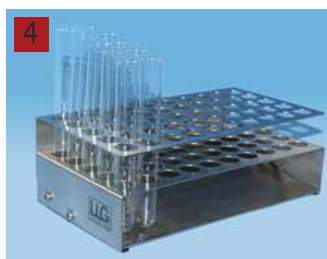
Height	Array	PK	Cat. No.
mm			
70	2 x 12	1	9.193 824
70	3 x 12	1	9.193 836
70	4 x 12	1	9.193 848
100	4 x 12	1	9.193 948



### 4 LLG-Test tube racks, self-aligning, stainless steel

Robust stainless steel (brushed) test tube racks. Due to the special construction the racks align the test tubes automatically so that the tubes are more comfortable to use. Contamination from vessel to vessel is also reduced as the tops of the tubes do not touch. Dishwasher safe, steam autoclavable, suitable for dry heat (200 °C) and water bath. Each rack holds up to 50 test tubes.

For neck diam.	Bore diam.	Dimensions (l x w x h)	PK	Cat. No.
mm	mm	mm		
16	17.5	224 x 120 x 75	1	9.409 014



### 5 Test tube racks, PP



Blue. For tubes up to 18 mm in diameter. Autoclavable and unbreakable. Can be dismantled. Can be recycled.

For tubes diam.	Array	PK	Cat. No.
mm			
18	12	1	9.193 112
18	24	1	9.193 124





# 1. General laboratory consumables

## Vessels/Tube racks-Containers

1



### 1 Test tube holders, wood

Wood with metal spring.

For neck diam. mm	PK	Cat. No.
Up to 20	10	9.193 749
Up to 30	10	9.193 750

2



### 2 Tube clamp, plated

Ideal for handling hot tubes or to heat test tubes up to 30 mm diameter. Manufactured from stainless steel with a finger grip. With a long arm for better handling and to avoid close contact between fingers and the flame. High resistance to heat up to 100 °C.

Length mm	PK	Cat. No.
130	1	6.202 530

3



### 3 LLG-Sample containers, PP, Heavy Duty, with screw cap, HDPE

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

Nominal capacity ml	Grad. up to ml	Ø with Cover mm	Height mm	PK	Cat. No.
20	15	37	42	1000	6.265 649
40	30	50	40	500	6.265 650
60	50	50	58	500	6.265 651
80	70	50	77	300	6.265 652
120	120	58	77	300	6.265 653
160	160	57	100	200	6.282 108
250	150	97	52	154	6.265 654
450	350	97	110	132	6.265 655
900	700	120	138	64	6.265 656
250		63	121	70	6.267 972
900		700	138*	64	6.270 049

\* without label.

4



### 4 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

Nominal capacity ml	Ø with Cover mm	Height mm	Material Lid	PK	Cat. No.
7	22	48	PP	700	6.265 646
30	30	90	PP	50	6.265 647
60	43	58	PE	60	6.265 648

5



### 5 LLG-Sample containers, PS, with metal cap, sterile

Ideal for sample collection and storage. Made of virgin polystyrene. All materials are non-cytotoxic. The metal cap with inert PVC-Liner ensures leak proof seal.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
60	43	60	300	9.070 321
60	43	60	60	6.261 958
100	49	75	200	9.070 322
100	49	75	40	6.261 959
250	63	121	50	9.070 323
250	63	121	25	6.261 960



# 1. General laboratory consumables

## Vessels/Containers

### 1 Sample container, 30 ml, Sterilin™, PS, with screw cap, PP

Sample container available with printed, unprinted or without labeling field. With or without sample spoon.

Thermo Scientific

- Screw cap PP with 1/2 turn for one-hand operation
- Aseptically manufactured
- Leak-proof
- Suitable for centrifugation at 3.800 x g

Description	Nominal capacity ml	Ext. diam. mm	Height mm	Labeling	PK	Cat. No.
Universal Container	30	31	94	none	400	6.800 901
Universal Container	30	31	94	printed	400	6.228 981
Universal Container	30	31	94	plain	400	6.265 733
Universal Container with spoon	30	31	94	none	400	6.280 000
Universal Container with spoon	30	31	94	printed	400	6.228 982



### 2 Scintillation Vials, borosilicate glass

- With white screw caps made of PP
- Liner Material metal foil
- Made of WHEATON 180 low potassium borosilicate glass
- High ultraviolet transmission

DWK Life Sciences

2



Capacity ml	Description	Cap size	Dimensions (dia. x H) mm	PK	Cat. No.
20	caps attached	22-400	28 x 61	500	6.253 024
20	caps attached	22-400	28 x 61	500	6.284 229
20	caps packed separately	22-400	28 x 61	500	6.801 771

### 3 Scintillation vials, PE

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).

Kartell



Nominal capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
20	26.50	60.1	1000	6.204 304
4	13.71	53.6	2000	6.901 743

## Vessels/Containers

**1**

**1** LLG-Sample containers, PP, with screw cap, PP


White, with screwed-on lid.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
30	58	19	10	9.402 310
75	58	47	10	9.402 313
310	81	81	10	9.402 318
600	119	67	10	9.402 321
1250	119	130	5	9.402 324

**2**

**2** LLG-Sample containers, PS/PP, with tamper-evident cap, LDPE/PP


White with tamper-evident cap. Multi-purpose containers e.g. for storage or transport of samples.

Nominal capacity ml	Ø with Cover mm	Height mm	Material	Material Lid	PK	Cat. No.
40	36	52	PS	LDPE	10	9.402 350
100	58	58	PP	PP	10	9.402 353
250	64	95	PS	LDPE	10	9.402 356
1000	116	116	PP	PP	5	9.402 359

**3**

**3** Universal -jars, HDPE with cap, LDPE

HDPE with LDPE cap. Resistant to acids and chemicals. Suitable for cold storage rooms, refrigerators and freezers. Stackable. Food safe. Color: natural.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
200	98	42	1	9.033 201
400	114	55	1	9.033 202
700	114	88	1	9.033 211
1000	136	110	1	9.033 212
2000	169	143	1	9.033 213

**4**

**4** Jars, PP with PP screw cap


White, complete with red PP screw cap, in safe pack with certificate of analysis.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
25	34	40	25	7.077 661
60	41	56	25	6.254 446
90	56	52	25	7.077 852
125	56	68	25	7.085 372
250	73	79	20	7.053 933
500	96	90	9	7.052 896
625	96	113	6	7.051 092
1000	112	129	3	7.052 895
1250	112	159	3	7.053 930

### 1 Containers, PP, with lids



BRAND

Transparent.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
50	56	25	10	9.402 416
115	75	30	10	9.402 421



### 2 Jars with screw cap, LaboPlast®, PP



Bürkle

Without residues, free of undercuts, sterilisable, colour: white.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
12	25	31	1	7.624 042
25	31	40	1	7.631 862
60	41	56	1	6.901 503
90	52	52	1	6.222 886
125	52	67	1	6.802 809
250	68	79	1	6.050 562
625	90	113	1	6.078 446
1000	102	129	1	6.055 461



### 3 Jars with snap cap, PE



Kartell

Slightly tapered with snap cap attached which snaps tightly closed when pressed. Lightweight and unbreakable. Suitable for foodstuff.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
1.0	8	32	100	9.401 805
2.5	14	32	1	9.401 820
5.0	15	49	1	9.401 822
7.0	23	33	1	9.401 830
8.0	17	58	1	9.401 825
20.0	25	75	1	9.401 835
25.0	31	53	1	9.401 838
35.0	31	75	1	9.401 840



### 4 Jars with screw cap, HDPE



Kartell

Heavy walled jar and screw cap with cone liner. Leakproof. Excellent chemical resistance. Suitable for foodstuff.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
5	21	36	1	9.401 850
10	21	58	1	9.401 851
30	35	53	1	9.401 852
60	35	94	1	9.401 853
90	55	63	1	9.401 854
180	55	110	1	9.401 855



**1**


### 1 Multi-purpose jars, PS

Multi-purpose, Polystyrene jar without cap.  
**Please order cap separately.**

*Thermo Scientific*

Nominal capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
12.5	27	29	1000	<b>4.008 637</b>
20.0	27	41	2400	<b>4.008 944</b>
30.0	27	60	1200	<b>4.009 104</b>
50.0	41	49	800	<b>4.008 750</b>

**2**


### 2 Lids, PE for multi-purpose jars, PS

*Thermo Scientific*

For jars ml	Sterile	Colour	PK	Cat. No.
12,5 / 20 / 30	-	natural	4000	<b>4.008 824</b>
50	-	grey	2400	<b>4.008 825</b>

**3**


### 3 Jars with screw cap Nalgene™, PP

*Thermo Scientific*


Transparent. Excellent chemical resistance. Autoclavable - undo cap before autoclaving.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
15	38	46	12	<b>9.033 230</b>
30	43	48	12	<b>9.033 231</b>
60	53	45	12	<b>9.033 232</b>
125	70	74	12	<b>9.033 233</b>
250	70	119	6	<b>9.033 234</b>
500	120	88	6	<b>9.033 235</b>
1000	120	151	6	<b>9.033 236</b>

**4**


### 4 Jars with screw cap Nalgene™, PC

*Thermo Scientific*


Cylindrical. Very durable. Stackable. Non-toxic. Suitable for cold storage rooms and refrigerators.  
 Autoclavable - remove cap before autoclaving.

- Excellent for cold room and refrigerated use, easy to see contents
- Wide-mouth and straight sides provide full-access and complete sample retrieval ease
- 15, 30 and 60 mL jars have natural polypropylene closures
- 125 mL to 1 L jars have white polypropylene closures with recessed tops for stacking
- 125 and 250 mL sizes fit Osterizer™ and other blenders that have Mason Jar threads, recommended for use with Fluid Transfer Closure 7.048 079
- Not liquid leakproof, not recommended for liquid transport
- Autoclavable/Transparent

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
15	38	46	4	<b>9.033 237</b>
30	43	48	4	<b>9.033 238</b>
60	53	45	4	<b>9.033 239</b>
125	70	74	4	<b>9.033 240</b>
250	70	119	4	<b>9.033 241</b>
500	120	88	4	<b>9.033 242</b>
1000	120	151	1	<b>9.033 187</b>

### 1 Sample containers, PP with snap on caps, LDPE



VITLAB

Transparent. With LDPE snap-on lid. Conical shape. Food-safe product according to regulation (EU) No. 10/2011.

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.
5	20	25	25	9.402 771
18	22	57	25	9.402 777
50	30	97	10	9.402 781
160	50	110	10	9.402 783



### Multi-purpose beakers with screw cap, PP

Transparent, with red screw cap. Non-sterile or sterile. Sterile beakers are single packed. Ideal beaker for sampling and storing of solid, muddy and liquid samples.

Ratiolab

Nominal capacity ml	Sterile	Ø with Cover mm	Height mm	Material	PK	Cat. No.
30	-	43	47	PP	1000	9.401 860
30	+	43	47	PP	500	6.287 527
60 *	-	43	66	PP	600	6.260 493
60 *	+	43	66	PP	500	6.258 714
120*	-	63	73	PP	500	6.803 183 <b>2</b>
120*	+	63	73	PP	250	6.093 728
200	+	64	80	PP	150	6.262 099 <b>3</b>
200	-	64	80	PP	200	6.261 429
200	+	64	82	PS	150	9.401 861

\*with graduation and labelling area



### 4 Multi-purpose beakers, PP

Transparent, pressure-resistant and unbreakable sample cup, ideal for collecting and storing samples of all types. Can be ordered with and without screw cap.

Böttger

- Graduated
- Solid and stable
- Writing field on the cup and labeling area on the lid
- Wide opening for easy and safe filling
- Fluid tight sealing screw cap with thread

Description	Nominal capacity ml	PK	Cat. No.
Beaker 125 ml, PP, with screw cap, green, HDPE	125	500	6.238 122
Beaker 125 ml, PP, without screw cap	125	1000	6.237 981



### 5 Cylindrical jars with ribbed cap, HDPE



**NEW**  
Kartell

The cylindrical jars are supplied with insert and cap. Thanks to the large neck they are suitable for powders, solid specimen, creamy or semisolid substances, crystals and hygroscopic substances. Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

Nominal capacity ml	Ext. diam. mm	Neck i. d. mm	Height mm	PK	Cat. No.
70	50	36	60	10	4.672 397
120	56	36	71	10	4.672 394
250	69	50	94	10	4.672 395
500	86	70	107	10	4.672 396
1000	111	85	128	10	4.672 393
1500	111	87	182	10	9.073 444
2000	111	87	235	10	9.073 446



## Vessels/Containers

**1**


### 1 Storage jars, series 376, HDPE

Natural round jars without lid. The wide mouth allows for easy filling and cleaning.  
Black caps available with PE foam leakproof wad - please order separately.

*Kautex*

Nominal capacity ml	Ext. diam. mm	Neck i. d. mm	Thread external diam. mm	Height mm	PK	Cat. No.
100	48	31	40	77	1	9.073 388
250	65	41	50	98	1	9.073 389
500	80	53	65	122	1	9.073 390
750	94	53	65	130	1	9.073 391
1000	100	67	80	153	1	9.073 392
1500	114	67	80	173	1	9.073 393
2000	126	67	80	192	1	9.073 394

Height in mm without lid.

**2**


### 2 Screw caps, PP, for storage jars, series 376

Black, screw cap with PE-foam insert.

*Kautex*

For jars ml	Thread external diam. mm	PK	Cat. No.
100	40	1	9.073 071
250	50	1	9.073 072
500 and 750	65	1	9.073 073
1000, 1500 and 2000	80	1	9.073 074

**3**


### 3 Wide mouth jars, PET, with screw cap, PP

Transparent with white polypropylene cap. Food-safe.  
Round, except 1000 ml and 2000 ml which are square.

*behr*

Nominal capacity ml	Ext. Ø diam. mm	Cover mm	Height mm	PK	Cat. No.
100	74	69	37	10	9.103 136
250	81	69	72	10	9.103 137
500	88	81	108	10	9.103 138
1000	85	81	174	10	6.242 746
2000	118	100	186	10	9.103 140
2500	140	100	212	10	9.103 148
3000	150	100	212	10	9.103 149

**4**


### 4 LLG-Wide-Neck jars, glass

Twist-off jar, wide-neck. Perfect for sample storage. Glass, clear.  
Without cap, please order cap separately.

Nominal capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
106	48	78.0	12	9.070 301
212	63	80.5	12	9.070 302
375	63	120.5	12	9.070 303
720	82	148.0	12	9.070 304
1062	82	176.0	12	9.070 305

**5**


### 5 Caps, metal, for LLG-Wide-Neck jars

White. Twist-off screw cap for LLG-Wide-neck jars

For jars ml	PK	Cat. No.
106	12	9.070 306
212 / 375	12	9.070 307
720 / 1062	12	9.070 308



# 1. General laboratory consumables

## Vessels/Baskets

### 1 LLG-Bottle carriers, wire/nylon

For carrying laboratory bottles.

For bottles	Array	PK	Cat. No.
ml			
1000	6	1	6.286 409
2000	6	1	6.286 408



### 2 Bottle carriers, wire/PE

Made of PE coated wire.  
For carrying laboratory bottles of various sizes.  
With base and fixed carrying handle.

For bottles	Array	PK	Cat. No.
ml			
2000	4	1	9.102 204
2000	6	1	9.102 206
2000	8	1	9.102 208
2000	10	1	9.102 210
1000	4	1	9.102 214
1000	6	1	9.102 216
1000	8	1	9.102 218
1000	10	1	9.102 220
250	4	1	9.102 224
250	6	1	9.102 226
250	8	1	9.102 228
250	10	1	9.102 230
250	12	1	9.102 232



### 3 Bottle carriers, wire/plastic coated

Plastic-coated. Strong wire frame.

For bottles	Array	PK	Cat. No.
ml			
1000	4	1	9.102 321
2500	2	1	9.102 322



### 4 Bottle carrier, PP



For 6 bottles up to max. diam. 95 mm. Food-safe.

Bürkle

Array	External dimensions (W x D x H) mm	PK	Cat. No.
6	210 x 305 x 310	1	6.076 356



## Vessels/Baskets



### 1 Bottle carrier for 6 bottles, ABS

For safe and convenient transportation of maximum 6 bottles of 250 or 500 ml volume. Specially designed for holding 500 ml wash bottles. Strong light weight construction with ergonomic handle offers both comfort and control. Unique design of the bottle basket offers stackable solution for space saving.

ISOLAB

For bottles	Array	PK	Cat. No.
ml			
250 ... 500	6	1	6.267 361



### 2 Transport baskets, stainless steel wire

Non-rusting stainless steel, electrochemically polished. With fold down handle that locks into position. Handle with plastic moulding. Made of 8 x 8 x 1.2 mm diameter spot welded wire mesh. Base reinforced with two rods.

External dimensions (W x D x H) mm	PK	Cat. No.
300 x 400 x 200	1	9.143 090



### 3 Cleaning baskets, stainless steel wire

With cover, made of non-rusting, electrochemically polished, stainless steel wire. For washing hardware. Frame, base and cover made of 8 x 8 x 1.2 mm spot welded wire mesh.

External dimensions (W x D x H) mm	PK	Cat. No.
150 x 250 x 150	1	9.908 130



### 4 Wire baskets, wire/nylon

White. Nylon coated, strong wire.

External dimensions (W x D x H) mm	PK	Cat. No.
100 x 100 x 100	1	9.033 341
120 x 120 x 120	1	9.033 342
140 x 140 x 140	1	9.033 344
160 x 160 x 160	1	9.033 346
200 x 200 x 200	1	9.033 350



### 5 Wire baskets, stainless steel

Polished stainless steel wire.

External dimensions (W x D x H) mm	PK	Cat. No.
100 x 100 x 100	1	9.033 410
120 x 120 x 120	1	9.033 412
140 x 140 x 140	1	9.033 414
160 x 160 x 160	1	9.033 416
180 x 180 x 180	1	9.033 418
200 x 200 x 200	1	9.033 420
200 x 300 x 200	1	9.033 430
200 x 400 x 200	1	9.033 440

### 1 LLG-Dispenserbox, Acrylic Glass

With hinged lid. For storage of laboratory tools, e.g. laboratory goggles, gloves or other small items. Wall mounting possible (mounting material included)

- for about 12 goggles



Description	Dimensions (W x D x H) mm	PK	Cat. No.
LLG-Dispenserbox	216 x 216 x 200	1	6.286 593

### 2 LLG-Assortment box, PS



Designed for storing and transporting small labwares such as magnetic stirring bars. Manufactured from clear material for easy observation of the contents. Ten compartments of 32 x 50 x 27 mm (W x D x H).

- Suitable for food  
 - Temperature resistant from -20 °C up to 70 °C



Width mm	Depth mm	Height mm	PK	Cat. No.
170	105	32	1	6.311 019

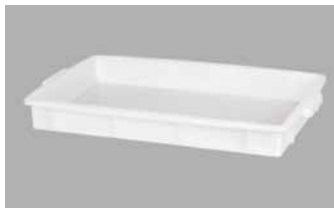
### 3 Display boxes, PS

Polystyrol. Heavy duty, industrial quality. Stackable (lengthways and crosswise). With RAL certificate. Shock-resistant, high impact PS. Food safe colors. Smooth underbody, therefore suitable for transport.



Colour	Width mm	Depth mm	Height mm	Size	PK	Cat. No.
red	100	165	75	2	1	9.033 121
blue	100	165	75	2	1	9.033 123
green	100	165	75	2	1	9.033 124
red	145	232	125	3	1	9.033 131
blue	145	232	125	3	1	9.033 133
green	145	232	125	3	1	9.033 134
red	200	336	150	4	1	9.033 141
blue	200	336	150	4	1	9.033 143
green	200	336	150	4	1	9.033 144

## Vessels/Transport boxes

**1**


### 1 Storage and transport containers, PP/HDPE

White. Made of thermoplastic resin. Stackable.  
The raw material used is physiologically compatible and corresponds with the directives of the Federal Board of Health.

Capacity Litres	External dimensions (W x D x H) mm	Internal dimensions (W x D x H) mm	Material	PK	Cat. No.
9	560 x 360 x 64	510 x 310 x 60	PP	1	9.301 643
10	445 x 345 x 90	410 x 310 x 85	PP	1	9.301 641
23	460 x 330 x 210	395 x 295 x 200	HDPE	1	9.301 663
28	660 x 450 x 130	600 x 400 x 120	HDPE	1	9.301 647
31	550 x 450 x 170	480 x 410 x 160	HDPE	1	9.301 645
35	600 x 350 x 220	530 x 315 x 210	HDPE	1	9.301 661
50	660 x 450 x 220	600 x 400 x 210	HDPE	1	9.301 649
96	660 x 450 x 410	600 x 400 x 400	PP	1	9.301 651

**2**


### 2 Lids for stacking and transport containers.

For	Width mm	Length mm	PK	Cat. No.
9.301 647 / 649 / 651	450	660	1	9.301 655
9.301 663	330	460	1	9.301 664

**3**


### 3 Storage boxes, HDPE with tightly closing LDPE lid

Suitable for cold storage rooms and refrigerators. Temperature range/withstands temperatures (without mechanical stress) from -20 to +95 °C.  
Stackable. Acid and chemical resistant. Food safe. Colour: natural.

Capacity L	Width mm	Depth mm	Height mm	PK	Cat. No.
0.5	103	103	64	1	9.033 270
1.0	103	103	127	1	9.033 275
1.0	103	208	64	1	9.033 280
1.5	103	208	94	1	9.033 285
2.0	103	255	94	1	9.033 286
2.0	208	208	64	1	9.033 287
3.2	208	208	94	1	9.033 288

**4**


### 4 Collapsible Box mini, PP, stackable

A straightforward and tough folding mechanism permits a safe and easy handling. Volume 4 liter, weight 180 g, load 2.5 kg. Dishwasher safe, food safe. Autoclavable at 120 °C, enduring temperature stability from -40 °C to 90 °C.

Colour	Width mm	Depth mm	Height mm	PK	Cat. No.
light-grey	238	161	100	1	4.675 426
white	238	161	100	1	9.301 481

**5**


### 5 Collapsible Box midi, PP, stackable

A straightforward and tough folding mechanism permits a safe and easy handling. Volume 14.5 liter, weight 300 g, load 8 kg. Dishwasher safe, food safe. Autoclavable at 120 °C, enduring temperature stability from -40 °C to 90 °C.  
The Folding Box mini perfectly fits two-times into the Midi.

Colour	Width mm	Depth mm	Height mm	PK	Cat. No.
black	400	300	145	1	9.301 485
white	400	300	145	1	9.301 486

➔ Trolleys please see page 271

### 1 Euronormboxes, PP, stackable

Solid transparent plastic containers, odorless, cold- and heat-resistant, stable against the most acids and alkalis. Dishwasher safe, food safe. Two sizes (40 x 30 cm and 60 x 40 cm) available.

- Corresponding lids please order separately
- Suitable Trolley (Cat. No.: 9.301 502)

Type	Capacity	External dimensions (W x D x H) l mm	Colour	PK	Cat. No.
Euronormbox	20	400 x 300 x 220	transparent	1	9.301 503
Lid	-	400 x 300 x 10	transparent	1	9.301 506
Euronormbox	46	600 x 400 x 220	transparent	1	9.301 504
Euronormbox	66	600 x 400 x 320	transparent	1	9.301 505
Lid	-	600 x 400 x 10	transparent	1	9.301 507
Euronormbox	20	400 x 300 x 220	grey	1	6.283 913
Lid	-	400 x 300 x 10	grey	1	6.283 914

Suitable accessories can be found in our online shop.



### 2 Euro-boxes, aluminium alloy

- High strength, corrosion resistant aluminium alloy
- Stainless steel hinges
- Cover for protection against dust and water
- Strengthened rim
- Cover clamp straps
- Can be secured with lead seal, padlock or fitted lock
- Stackable
- Impact resistant, blue plastic stacking brackets

Capacity l	External dimensions (W x D x H) mm	Internal dimensions (W x D x H) mm	Weight g	PK	Cat. No.
27	400 x 300 x 340	350 x 250 x 310	3000	1	9.301 356
42	600 x 400 x 250	550 x 350 x 220	4700	1	9.301 357
60	600 x 400 x 340	550 x 350 x 310	4900	1	9.301 358
63	1200 x 300 x 350	1150 x 250 x 220	6300	1	6.258 794
73	600 x 400 x 410	550 x 350 x 380	5200	1	9.301 359
81	800 x 400 x 340	750 x 350 x 310	6100	1	9.301 360
157	800 x 600 x 410	750 x 550 x 380	7500	1	9.301 361
239	800 x 600 x 610	750 x 550 x 580	8900	1	9.301 362

Usable dimensions approx. 30mm less than internal dimensions.

Suitable accessories can be found in our online shop.



## Vessels/Buckets



### 1 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.

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
1	131	127	1	9.040 030
2	179	133	1	9.040 031
3	198	141	1	9.040 032
5	224	193	1	9.040 033
10	266	265	1	9.040 034
1	131	127	10	6.291 418
2	179	133	10	6.291 419
3	198	141	10	6.291 420
5	224	193	10	6.291 421
10	266	265	10	6.291 422



### 2 LLG-Buckets, PP

White. Round. With metal handle. Graduated.

Capacity Litres	PK	Cat. No.
10	1	9.040 216



### 3 Buckets, series 610/615, HDPE

Graduated.  
- thick-walled  
- very stable  
- durable  
- litre scale  
- laboratory and industrial bucket (white) with plastic coated steel carrying handle  
- builder's bucket (grey) with rust-free handle

Kautex

**Type 1: with spout**  
**Type 2: without spout**



Type	Colour	Capacity Litres	Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
1	white	10	193	280	300	1	9.040 110
1	white	15	235	316	335	1	9.040 115
2	white	10	212	253	279	1	9.040 010
2	grey	10	212	253	279	1	9.040 011



### 4 Buckets, HDPE, Lids, LDPE

VITLAB



White. Without spout. With division into 1L segments. Stable handle with reinforcement in the middle for comfortable carrying. Food-safe product according to regulation (EU) No. 10/2011.  
Tightly closing, transparent LDPE lid - please order separately.

Description	Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
Buckets	5	250	240	1	9.040 006
Buckets	10	290	300	1	9.040 012
Lid	5	-	-	1	9.040 206
Lid	10	-	-	1	9.040 212



# 1. General laboratory consumables

## Vessels/Buckets

### 1 Buckets with spout, PP

VITLAB



Transparent. With division into 1L segments. With stable handle and spout for easy emptying. Highly resistant to chemicals. Without lid. Food-safe product according to regulation (EU) No. 10/2011.

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
12	310	330	1	9.040 022
15	310	370	1	9.040 025



### 2 Transport containers with lid and handle, 18/10 steel

Bochem

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
1	100	155	1	9.039 921
2	135	170	1	9.039 922
3	160	185	1	9.039 923
5	180	240	1	9.039 925
6	180	280	1	9.039 926
10	225	280	1	9.039 928



### 3 4 Buckets, 18/10 steel

Graduated. With handle. Lids - Order separately.

RSG

Capacity Litres	Grad. up to ml	Int. diam. top mm	Bottom diam. mm	Height mm	PK	Cat. No.
6	6	250	170	190	1	9.040 325
10	10	280	170	265	1	9.040 330
12	12	310	200	270	1	9.040 332
15	17	330	200	320	1	9.040 335



### 5 Lids for buckets 18/10 stainless steel

RSG

For buckets	Diam. mm	PK	Cat. No.
6 L	260	1	7.623 893
10 L	280	1	6.901 567
12 L	300	1	7.636 628
15 L	310	1	7.612 465



# 1. General laboratory consumables

## Vessels/Aspirators and Carboys



### 1 LLG-Bottles, wide mouth, HDPE

Suitable for food. With carrying handle. Ideal for containing liquids, powders and granules. Very strong and durable quality for extended use over time. With screw cap and additional inner cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. The bottles can be used by temperature from -40 °C to +80 °C. Please use only in upright position.

Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
Litres	mm	mm	mm	mm			
5	84	94	170	350	1	1	9.139 938
10	99	109	210	420	1	1	9.139 939



### 2 LLG-Aspirator Bottles, narrow neck, HDPE

With carrying handle. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. With thread of 12 mm depth for use with a 3/4" stopcock. Please order the stopcock separately (Cat. No. 9.139 937). The bottles can be used by temperatures from -40 °C to +80 °C. Please use only in upright position.

Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
Litres	mm	mm	mm	mm			
5	52	62	160	350	1	1	9.139 929
10	52	62	210	430	1	1	9.139 930
25	84	97	270	570	2	1	9.139 931
50	84	97	350	690	2	1	9.139 932



### 3 LLG-Aspirator Bottles, narrow neck, HDPE, with stopcock

With carrying handle and 3/4" stopcock. Thread and opening for stopcock provided. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. The bottles can be used by temperature from -40 °C to +80 °C. Please use only in upright position.

Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
l	mm	mm	mm	mm			
5	52	62	160	350	1	1	9.139 933
10	52	62	210	430	1	1	9.139 934
25	84	97	270	570	2	1	9.139 935
50	84	97	350	690	2	1	9.139 936



### 4 Stopcock, 3/4", for LLG-Aspirator bottles

For 9.139 929 - 9.139 932 and 9.139 933 - 9.139 936.

Type	PK	Cat. No.
Tap for aspirator bottles	1	9.139 937

# 1. General laboratory consumables

## Vessels/Aspirators and Carboys

### 1 Aspirator bottles, HDPE

Natural, narrow-neck storage bottles with or without scale. Storage vessel with drain made of food-safe polyethylene. With UV protection for long life. Resistant to acids and chemicals. Special colour and printing possible. With metal carrying belt. With threaded plug and wide thread 22 mm. With white screw cap Ø 65 mm. With 2 O-rings/seals. Other sizes available on request.

Please order stopcocks and adapter for stopcocks with R 1/2" separately.

Description	Capacity	Ext. diam. mm	Height mm	PK	Cat. No.
	Litres				
Aspirator bottles, without scale	5	167	348	1	9.002 601
Aspirator bottles, without scale	10	210	427	1	9.002 602
Aspirator bottles, without scale	25	275	580	1	9.002 603
Aspirator bottles, with scale	5	167	348	1	9.002 606
Aspirator bottles, with scale	10	210	427	1	9.002 607
Aspirator bottles, with scale	25	275	580	1	9.002 608
Angle valve with sleeve connection 19 mm (3/4")				1	6.253 481
Adapter for stopcocks with R 1/2"				1	6.227 536
Angle valve, straight, with sleeve connection 12 mm (1/2")				1	9.002 670
Angle valve curved, with sleeve connection 12 mm (1/2")				1	9.002 671



### 4 Aspirator bottles, series 350, HDPE

Food-grade product according to Regulation (EC) No 10/2011. Natural with printed blue graduations (in L) and screwed closure. With or without threaded connection at base. Inside neck diameter 50 mm.

Please order stopcock separately.

Kautex

Capacity Litres	Ext. diam. mm	Height mm	Stopcock connection	Handle	PK	Cat. No.
5	167	330	without	1	1	9.011 009
10	206	427	without	1	1	9.011 010
25	278	580	without	2	1	9.011 025
60	346	823	without	2	1	9.011 060
5	167	330	with	1	1	9.011 069
10	206	427	with	1	1	9.011 071
25	278	580	with	2	1	9.011 072
60	346	823	with	2	1	9.011 076

Height in mm without cap.



### 5 Accessories for series 350 aspirator bottles

Type	Figure	PK	Cat. No.
Stopcock, blue PE-HD	A	1	9.011 181
Blanking plug with sealing, natural PE-HD	B	1	9.011 170
Stopcock, blue PP	C	1	9.139 997
Reducer, blue for 9.139 997	D	1	9.011 078



## Vessels/Aspirators and Carboys



### 1 2 Aspirator Carboys Nalgene™, Type 2319, 2250, with handle, PP

With 83 mm diameter neck, screw cap and shoulder handles. Graduated. For nutritive media, distilled water or other solutions. Leakproof. Not for use with aggressive substances. Neck also accepts stoppers, 36 mm in height and a top/bottom diameter of 75/62 mm. Autoclavable - for best results, autoclave using a properly vented closure.

Thermo Scientific

Type	Description	Capacity Litres	PK	Cat. No.
2319	with stopcock	10	1	9.002 721
2319	with stopcock	20	1	9.002 722
2319	with stopcock	50	1	9.002 723
2250	without stopcock	10	1	9.011 102
2250	without stopcock	20	1	9.011 103
2250	without stopcock	50	1	9.011 104



### 3 Aspirator Carboys Nalgene™ with handle

Thermo Scientific

Capacity Litres	Description	PK	Cat. No.
10	Carboy, PP, suitable for vacuum	1	6.510 059
10	Carboy, HDPE, amber	1	7.048 149
10	Carboy, PP	1	9.011 121
20	Carboy, PP, suitable for vacuum	1	6.072 292
20	Carboy, PP, with tube connection	1	6.268 720
20	Carboy, PP, wide-mouth	1	9.011 122



### 4 Aspirator carboys Nalgene™, Type 2322, PC

Transparent. With PP stopcock. Graduated. Leakproof. Robust. Suitable for use in cold rooms. Autoclavable, before autoclaving, unscrew cap and set on bottle neck.

Thermo Scientific

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2322	9	216	146	362	1	9.139 916
2322	20	318	219	381	1	9.139 917



### 5 Aspirator carboys Nalgene™, Type 2320, HDPE

With PP stopcock. Graduated. Leakproof. Stable. Rigid. Suitable for use in cold rooms.

Thermo Scientific

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2320	9	216	146	356	1	9.139 918
2320	20	318	219	381	1	9.139 919



### 6 Stopcocks, quick action Type 6422, 6432, PP or ETFE for Aspirator carboys

Type 6422 PP. Autoclavable. Standard stopcock with quick acting closure. Accepts tubing with an inside diameter of up to 16mm. For tubing with an inside diameter of 6.4 mm to 7.9 mm. HDPE adapter is provided.

Thermo Scientific

Type 6432. Autoclavable. Housing and plugs made of Tefzel® ETFE. For tubing with an inside diameter of 6.4 mm to 7.9 mm. Without adapter.

Type	Material	PK	Cat. No.
6422	PP	1	9.139 925
6432	ETFE	1	9.139 926

Tefzel® is registered trademark of DuPont.

# 1. General laboratory consumables

## Vessels/Aspirators and Carboys

### 1 Wide-mouth jerrycans, HDPE

HDPE. 88mm filling opening. Offers UV protection. With thread and stopper on the narrow side. Wide thread 22 mm. Food safe. Angle valves for 9.002 670 and 9.002 671, 10 L variant with 18 mm additional spout.

1



Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
10	154	302	397	1	9.139 975
22	180	370	475	1	9.139 970

### 2 Angled stopcocks/Angle valve, HDPE

HDPE. With spout attachment 12 mm (1/2") diameter and 22 mm threaded connector. For bottles and wide-mouth carboys. Acid and chemical resistant, pressure resistant up to 1.5 bar. For 9.139 975 and 9.139 970. Food safe.

2



Description	PK	Cat. No.
Angled stopcock, straight	1	9.002 670
Angled stopcock, curved	1	9.002 671

### 3 4 Space saving jerrycan Flachmann LaboPlast®, PP

#### Space-saving jerrycan Flachmann LaboPlast®

With its low width the compact jerrycan Flachman is ideal as a space-saving canister. Different liquids can be stored and decanted in a small space. 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. The compact jerrycan can also be used as a settling canister.

Bürkle

- With or without threaded connector 3/4"
- With tamper-evident cap, PP, blue
- PP, transparent
- Canister without valve autoclavable
- Volume: 5 L and 10 L
- Graduations: 250 ml
- With moulded, indestructible litre graduation

#### Space-saving Compact set: 1 Flachmann LaboPlast® canister 5 L or 10 L and 1 stopcock Compact (9.140 003)

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.

#### Space-saving StopCock set: 1 Flachmann LaboPlast® canister 5 L or 10 L with screw neck and 1 stopcock (9.139 997)

Capacity Litres	Description	Dimensions (W x D x H) mm	PK	Cat. No.
5	with screw neck,	65 x 335 x 335	1	9.140 002
5	without screw neck	65 x 335 x 335	1	9.140 001
5	Space-saving Set Compact	65 x 335 x 335	1	9.140 004
5	Space-saving Set StopCock	65 x 335 x 335	1	9.140 011
	Support stand for 2 jerrycans (only for 5 L canister)		1	9.139 999
	Support stand for 3 jerrycans (only for 5 L canister)		1	9.139 996

3



4



**1**


### 1 Space-saving jerrycans, HDPE, electrically conductive

For use in explosion-protected areas.

Bürkle

- Black
- Antistatic
- Surface resistance <math>< 10^5 \text{ Ohm}</math>
- With or without threaded connector 3/4"
- Space-saving due to its narrow width
- Grounding by means of antistatic set (available as accessory)
- Electrically conductive stopcock StopCock PA (available as accessory)

Nominal capacity ml	Description	Width mm	PK	Cat. No.
5000	Space-saving jerrycans without threaded connector	65	1	4.665 330
10000	Space-saving jerrycans without threaded connector	125	1	4.665 331
5000	Space-saving jerrycans with threaded connector	65	1	4.665 332
10000	Space-saving jerrycans with threaded connector	125	1	4.665 333
5000	Compact jerrycan set, with StopCock PA	65	1	4.665 322
10000	Compact jerrycan set, with StopCock PA	125	1	4.665 329

**2**


9.140 003

### Stopcocks LaboPlast®

#### StopCock Siphon

Bürkle

- With rotatable spout, preventing drips
- With tapered spout for bottles with narrow openings from diameter 6 mm to 8 mm
- Fits screw threads with G 3/4"
- Pressure proof to 2 bar at 20 °C (without discharge bracket and grommet)
- Parts in contact with media made of PP, PE and PTFE
- Food safe

#### StopCock Compact

- Compact design, the short discharge does not protrude over the lower edge of the container
- The specially optimised design of the discharge forms an even stream of liquid with no splashing or spattering
- The Compact stop cock fits all containers with G 3/4" connecting threads
- PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and bases
- Food safe

#### StopCock PA

- Made of polyamide, electroconductive, can be grounded separately
- Ideally suited for solvents
- Inexpensive alternative to stainless steel stopcocks
- PTFE seal
- Including adapter for 3/4" inner thread made of PA electroconductive
- Fits all containers with 3/4" outer thread and with included adapter, to all 3/4" inner threads

**3**


9.140 000

Type	PK	Cat. No.
StopCock Siphon	1	9.139 997
StopCock Compact	1	9.140 003
StopCock PA	1	9.140 000

**4**


### 4 Aspirator Carboys behroplast®, PE

Polyethylene, with welded stopcock. Food-safe. Leakproof, even after prolonged use.

behr

Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
5	160	190	240	1	9.140 100
10	190	190	360	1	9.140 101
20	250	280	370	1	9.140 098
25	240	300	450	1	9.140 099
30	260	300	450	1	9.140 102
60	330	390	670	1	9.140 103



### 1 Jerrycan with integrated spout, HDPE

Jerrycan in stable design made of food safe polyethylene (HDPE)

Hünersdorff

- UV protection for long life
- Especially suitable for drinking water and food
- Space-saving and stackable
- Integrated spout with wide thread
- Fill opening 65mm diameter
- With threaded plug and wide thread 22 mm

Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
10	350	165	310	1	9.002 611
20	350	165	495	1	9.002 612



### 2 Industrial jerrycans, HDPE

Jerrycans with capacity of 2 to 30 L.

**Please order closures separately.**

Kautex

Capacity L	Colour	Width mm	Depth mm	Height mm	Weight g	Thread external diam. mm	PK	Cat. No.
2.0	natural	145	109	196	110	45	1	9.140 021
2.5	natural	153	115	208	125	45*	1	9.140 022
3.0	natural	153	115	240	140	45*	1	9.140 023
5.0	natural	190	145	251	250	50*	1	9.140 025
6.0	natural	192	145	294	265	45	1	9.140 026
8.0	natural	230	190	270	320	45	1	9.140 027
10.0	natural	230	190	310	450	50*	1	9.140 030
20.0	natural	290	246	385	950	60*	1	9.140 037
30.0	natural	320	284	435	1250	60*	1	9.140 038
20.0	blue	290	246	385	950	60*	1	9.140 032
25.0	blue	290	246	450	1100	60*	1	9.140 031
30.0	blue	320	284	435	1250	60*	1	9.140 033

\* With UN approval.



## Vessels/Wide-mouth bottles

1



1

### Laboratory bottles Borosilicate glass 3.3, GL 45, with retrace code

Borosilicate glass 3.3. DIN 168 - 1. EN ISO 4796-1.  
With graduations and retrace code, pouring ring, PP screw cap with ISO thread.  
Certificates are available on request.

DWK Life Sciences

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
100	56	100	10	9.072 331
250	70	138	10	9.072 332
500	86	176	10	9.072 334
1000	101	225	10	9.072 335
2000	136	260	10	9.072 336
5000	186	330	1	9.072 337
10000	234	410	1	9.072 338

2



2

### DURAN® YOUTILITY Laboratory Bottle system GL 45

- 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.
- The slimmer YOUTILITY bottle shape allows more optimal use of limited space in autoclaves and laboratory refrigerators.
- A pre-defined labelling area is compatible with the dedicated DURAN® self-adhesive YOUTILITY bottle labels.
- 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).
- Bottles are available in either clear or amber coloured glass. The amber colour meets the requirements of the USP <660> and Eur. Ph. requirements for UV light protection.
- Each DURAN® YOUTILITY bottle is supplied as a complete system, with a pouring ring (cyan polypropylene) and a GL 45 cap (cyan polypropylene).

DWK Life Sciences

3



Capacity	Colour	Ext. diam.	Height	Neck thread	PK	Cat. No.
ml		mm	mm	GL		
125	clear	55	124	45	4	9.071 679
250	clear	66	158	45	4	9.071 678
500	clear	78	193	45	4	9.071 677
1000	clear	93	253	45	4	9.071 676
125	amber	55	124	45	4	9.071 672
250	amber	66	158	45	4	9.071 673
500	amber	78	193	45	4	9.071 674
1000	amber	93	253	45	4	9.071 675

4



### Accessories for DURAN® YOUTILITY Laboratory Bottle system

DWK Life Sciences

Description	PK	Cat. No.
Printable labels	1	6.310 674
Spare screw caps, GL 45, cyan, PP, food safe	10	9.209 137
Spare pouring ring, GL 45, cyan, PP	16	9.209 138
Bottle tags, GL 45, 8 colours (2 tags each), silicone	16	9.209 139

9.209 139

We can supply this  
**manufacturer's whole  
 product range !**



**DURAN  
 WHEATON  
 KIMBLE**  
 Excellence in your hands

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### Laboratory bottles DURAN®

ISO 4796-1 compliant. Thread acc. to DIN 168-1 and approximate graduations. The ring mark on the shoulder of the 100 ml to the 2000 ml bottles makes the filling height of the nominal capacity visible. The 25 ml bottle has a specially shaped glass rim for pouring (eliminating the need for an additional pouring ring). Neutral glass/Type I glass in compliance with USP/EP and JP. With easy to read scale and large labelling field for easy marking. Highly durable white ceramic. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

#### 1 DURAN® laboratory glass bottle GL 25

Areas of application

- Storing expensive/sensitive media, reference samples etc.
- Packaging bottle for reference samples, stability tests, proficiency tests and deuteration solutions
- Shipping bottle for small sample volumes
- Storing proteins, vitamins, DNA

DWK Life Sciences

Description	Capacity ml	PK	Cat. No.
clear, without cap	10	1	9.072 181
clear, with cap	10	1	9.072 182
amber, without cap	10	1	9.072 183
amber, with cap	10	1	9.072 184
protect laboratory glass bottle, without cap	10	1	9.072 185



#### 2 Laboratory bottles, DURAN®, with retrace code, without screw cap

Please order cap and pouring ring separately.

DWK Life Sciences

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25*	36	70	25	1	9.072 013
50	46	87	32	1	9.072 020
100	56	100	45	1	9.072 011
150**	62	105	45	1	9.071 683
250	70	138	45	1	9.072 012
500	86	176	45	1	9.072 015
750**	95	203	45	1	9.071 684
1000	101	225	45	1	9.072 016
2000	136	260	45	1	9.072 017
3500**	160	295	45	1	9.071 685
5000	182	330	45	1	9.072 018
10000	227	410	45	1	9.072 019
15000	268	445	45	1	7.079 854
20000	288	505	45	1	9.072 014

\*With specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required)  
 \*\*Acceptance within iso 4796 standard has been requested



#### 3 Laboratory bottles, DURAN®, with retrace code, with screw cap

With blue PP screw cap and pouring ring.

DWK Life Sciences

Capacity ml	Diam. mm	Height with cap mm	Neck thread GL	PK	Cat. No.
25*	36	74	25	1	9.072 003
50	46	91	32	1	9.072 000
100	56	105	45	1	9.072 001
150	62	105	45	1	9.071 680
250	70	143	45	1	9.072 002
500	86	181	45	1	9.072 005
750	95	203	45	1	9.071 681
1000	101	230	45	1	9.072 010
2000	136	265	45	1	9.072 007
3500	160	295	45	1	9.071 682
5000	182	335	45	1	9.072 008
10000	227	415	45	1	9.072 004
15000	268	450	45	1	7.076 312
20000	288	510	45	1	9.072 009

\*With specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required).



## Vessels/Wide-mouth bottles



### 1 Laboratory bottles, DURAN® amber, with retrace code

DURAN®. ISO 4796-1, Amber with DIN thread. Neutral glass/Type I glass acc. to USP/EP and JP. Autoclavable. With approximate graduations. A ring-shaped moulding on the shoulder of the 100 to 2000 ml bottles makes the filling height of the nominal capacity visible. The 25 ml bottle has a specially formed rim for pouring (eliminating the need for an additional pouring ring). UV protection up to 500 nm. Unaffected DURAN® properties within the bottle, as colour is applied only to the outer surface. Very uniform, durable and chemically resistant, amber colour due to innovative technology. With Retrace code (Batch identification). Certificate available via the Internet.

DWK Life Sciences

**Please order screw cap and pouring ring separately.**

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25	36	70	25	1	9.071 979
50	46	87	32	1	9.071 980
100	56	100	45	1	9.071 981
150	62	105	45	1	9.071 686
250	70	138	45	1	9.071 982
500	86	176	45	1	9.071 983
750	95	203	45	1	9.071 687
1000	101	225	45	1	9.071 984
2000	136	260	45	1	9.071 985
3500	160	295	45	1	9.071 688
5000	182	330	45	1	9.071 987
10000	227	410	45	1	9.071 988
15000	268	445	45	1	7.021 486
20000	288	505	45	1	9.071 989



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

For the storage and transport of photosensitive substances. With easy-to-read graduation and large labelling field for easy identification. UV protection up to approx. 500 nm wavelength.

DWK Life Sciences

- ISO 4796-1
- USP standard
- Retrace code
- Autoclavable

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25*	36	74	25	1	6.262 931
50	46	91	32	1	7.671 498
100	56	105	45	1	6.262 932
150	62	115	45	1	6.259 100
250	70	143	45	1	9.071 961
500	86	181	45	1	6.259 101
1000	101	230	45	1	6.259 102
2000	136	265	45	1	6.259 797

\* With specially shaped glass rim for better pouring, thus an additional pouring ring made of plastic is not necessary.



### 3 Safety-coated bottles, DURAN®, brown, with retrace code

The coating provides scratch, leak and splinter protection and is ideally suited to both the transport and storage of hazardous media or valuable samples. Service temperature limit of the PU plastic coating: -30 °C to +135 °C.

DWK Life Sciences

- Graduated
- UV protection
- DIN thread
- DIN ISO 4796-1
- Suitable for microwaving
- USP compliant
- Autoclavable

Nominal capacity ml	Ext. diam. mm	Height mm	Neck thread GL	PK	Cat. No.
50	46	87	32	1	4.652 776
100	56	110	45	1	9.071 962
250	70	138	45	1	9.071 964
500	86	176	45	1	4.652 777
1000	101	225	45	1	4.652 779
2000	136	260	45	1	9.071 970
5000	182	330	45	1	6.228 624

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 Safety-coated bottles, DURAN®, with retrace code

Glass laboratory bottles with DIN thread to ISO 4796-1. Safety-coated in plastic (DURAN® Protect). Neutral glass/Type I acc. to USP/EP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

DWK Life Sciences

DURAN® Protect is a resistant and transparent plastic coating based on a cross-linked co-polymer (polyurethane) applied onto DURAN® 3.3 borosilicate glass. The coating made from PU adheres to the glass surface and fulfils the following functions:

- protects the glass surfaces against mechanical damage (**scratch protection**)
- keeps fragments together in the event of glass breakage (**shatter protection**)
- minimises loss of fluid in the event of glass breakage (**leak and spray protection**)
- absorbs UV rays up to a light wavelength of 380 nm (**light protection**)
- (Cat. No.: 9.071 999) only scratch protection.

#### Temperature resistance

Do not subject to an open flame or direct heat (e.g. on a laboratory hotplate). The maximum operating temperature sustained is 135°C - continuous use at this temperature (>30 mins.) should be avoided.

DURAN® Protect is suitable for freezing (down to -30 °C) and for use in microwaves.

**Please order cap and pouring ring separately.**



Capacity	Ext. diam.	Height	Neck thread	PK	Cat. No.
ml	mm	mm	GL		
100	56	100	45	1	9.071 991
150	62	105	45	1	9.071 689
250	70	138	45	1	9.071 992
500	86	176	45	1	9.071 995
750	95	203	45	1	9.071 690
1000	101	225	45	1	9.071 996
2000	136	260	45	1	9.071 997
3500	160	295	45	1	9.071 691
5000	182	330	45	1	9.071 998
10000	227	410	45	1	9.071 999

### 2 Laboratory bottles Protect DURAN®, with retrace code

Highly transparent. The coating provides scratch, leak and splinter protection and is ideally suited to both the transport and storage of hazardous media or valuable samples. Service temperature limit of the PU plastic coating: -30 °C to +135 °C. With screw cap and pouring ring.

DWK Life Sciences

- Graduated
- UV protection
- DIN thread
- DIN ISO 4796-1
- Suitable for microwaving
- USP compliant
- Autoclavable



Nominal capacity	Ext. diam.	Height	Neck thread	PK	Cat. No.
ml	mm	mm	GL		
100	56	100	45	1	4.652 768
150	62	110	45	1	4.652 769
250	70	138	45	1	4.652 770
500	86	176	45	1	9.071 990
750	95	203	45	1	4.652 771
1000	101	225	45	1	9.071 994
2000	136	260	45	1	9.072 006
3500	160	300	45	1	4.652 772
5000	182	330	45	1	4.652 773
20000 *	289	505	45	1	9.071 993

\* without screw cap and pouring ring

### ➔ Bottle carriers - please see page 49.





## Vessels/Wide-mouth bottles



### 1 Reagent bottles DURAN®, clear/amber, pressure resistant

DURAN® reagent bottles, DIN thread, ISO 4796. Pressure resistance, as a result of amended shape, in the range of -1 up to +1.5 bar (tested by the TÜV in accordance with DIN EN 1595, with GS mark). Neutral/Type 1 glass in accordance with USP/EP.

DWK Life Sciences

With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

**Please order cap and pouring ring separately.**

Colour	Capacity ml	Ext. diam. mm	Height mm	Neck thread GL	PK	Cat. No.
clear	100	56	100	45	1	6.270 531
clear	250	70	138	45	1	9.071 706
clear	500	86	176	45	1	9.071 707
clear	1000	101	225	45	1	9.971 704
amber	250	70	138	45	1	9.071 701
amber	500	86	176	45	1	9.071 702
amber	1000	101	225	45	1	9.971 703



### 2 Laboratory bottles Premium, DURAN®, with retrace code

DURAN®, ISO 4796-1, DIN ISO 718. Premium laboratory bottle with DIN thread.

DWK Life Sciences

Highly leak-tight using Premium screw cap. Working temperature from -196 °C up to 260 °C.

With PTFE coated silicone seal and pouring ring. With additional reverse scale, accuracy ±5 %.

Thermal shock resistance of 160K (tested by the German TÜV and with GS mark). Bottle and screw cap

in accordance to USP/EP guidelines (Glass Type I/Neutral glass, screw cap raw material USP Class VI, seal FDA).

Screw cap material is similar to PFA and highly resistant against chemicals. The material is free from colourants

and therefore no leaching takes place. DMF available upon request. Premium bottle and screw cap fulfil highest

requirements of the pharmaceutical, chemical and food industry. With Retrace code (Batch identification).

Certificate available via the Internet (available for cap and bottle). Autoclavable.

Capacity ml	Ext. diam. mm	Height* mm	Neck thread GL	PK	Cat. No.
100	56	105	45	1	9.072 155
250	70	143	45	1	9.072 156
500	86	181	45	1	9.072 157
1000	101	230	45	1	9.072 158

\*Height mm incl. cap



### 3 Laboratory bottles Premium, DURAN®, without cap

Laboratory bottles without pouring ring and without cap.

DWK Life Sciences

Capacity ml	Ext. diam. mm	Height mm	Neck thread GL	PK	Cat. No.
100	56	100	45	1	6.256 954



### 4 LLG-Protective netting, roll

From polyethylene for covering glass containers. Cut to size with scissors. Package contains 5 m roll.

For bottles diam. mm	Description	Colour	PK	Cat. No.
30 - 60	LLG Safety Nets, roll	green	1	6.050 132
50 - 100	LLG Safety Nets, roll	red	1	6.050 133
90 - 200	LLG Safety Nets, roll	yellow	1	6.079 513



# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 VITgrip™ lab bottles, PP, GL 45



VITLAB

- Allround lab bottle made of polypropylene, with GL 45 thread and supplied with tamper-evident closure (PP).
- Excellent handling due to innovative design. In contrast to common lab bottles, the slim, waisted shape facilitates the handling of the VITgrip™ to a considerable degree. The molded volume graduations support slip-safety while working with gloves.
  - Leakproof\*\*due to optimized sealing system of the bottle thread and the screw cap with ergonomic design.
  - Easy readability of the volume at all times due to molded, double-sided graduations with high accuracy ( $\pm 5\%$ ).
  - Smooth pouring of liquids and easy to clean due to hydrophobic material and rounded shape without dirt catching edges.
  - With tamper-evident closure that reliably signals, if the bottle is still sealed.
  - Autoclavable at 121 °C (2 bar) according to DIN EN 285



Very good chemical resistance against most acids, bases and alcoholic solutions. Furthermore, the VITgrip™ lab bottles and the supplied VITLAB® tamper-evident closures are suitable for contact with foodstuffs (according to regulation EU No. 10/2011).

Capacity	Height*	Bottom diam.	PK	Cat. No.
ml	mm	mm		
125	103	54	6	<b>6.270 627</b>
250	149	64	6	<b>6.270 628</b>
500	192	77	6	<b>6.270 629</b>
1000	234	97	6	<b>6.270 630</b>
2000	278	126	1	<b>6.270 631</b>

\* Height without screw cap

\*\*The VITgrip™ lab bottles are leakproof (tested with distilled water at room temperature and atmospheric pressure and in combination with the supplied VITLAB® screw closures. Please contact us for the detailed test conditions, if required).

### 2 Screw caps, PP, GL 45



ISOLAB

For perfect and tight closure of GL 45 screw necked laboratory bottles. Large ridges on the cap outer surface guarantees for increased grip and fast closure. Color coded caps enable fast, easy and practical identification of bottle content.



Colour	PK	Cat. No.
Red	10	<b>6.286 663</b>
Yellow	10	<b>6.286 664</b>
Blue	10	<b>6.286 665</b>
Green	10	<b>6.286 666</b>

### 3 Screw caps, PP



DWK Life Sciences

PP. DIN thread. With lip seal. Temperature resistant to 140 °C. Only suitable for DURAN® laboratory bottles.



Colour	Neck thread GL	PK	Cat. No.
blue	25	1	<b>9.209 065</b>
blue	32	1	<b>9.209 067</b>
blue	45	1	<b>9.209 069</b>
yellow	45	1	<b>9.072 400</b>
green	45	1	<b>9.072 401</b>
grey	45	1	<b>9.072 402</b>
blue	80	1	<b>9.140 110</b>

## Vessels/Wide-mouth bottles

**1**

**1** Pouring rings, PP

DWK Life Sciences



PP. Autoclavable to 140 °C (steam).

Colour	Neck thread GL	PK	Cat. No.
blue	32	10	9.209 082
blue	45	10	9.209 084
green	45	10	9.209 078
yellow	45	10	9.209 079
grey	45	10	9.209 080

**2**

**2** Screw caps, high temperature, PBT

DWK Life Sciences



Red. DIN thread. With PTFE-coated silicone seal. Withstands temperatures up to 180 °C. Autoclavable.

Neck thread GL	PK	Cat. No.
14	10	9.209 015
18	10	9.209 019
25	10	9.209 026
32	10	9.209 033
45	10	9.209 044

**3**

**3** | **4** Gaskets, silicone/PTFE and pouring rings, ETFE

DWK Life Sciences



Pouring rings, ETFE. For screw caps made from PBT. Autoclavable. Thermal resistance: max. 180 °C

Silicone gasket (VMQ), PTFE coated.

For screw caps made from PBT. Autoclavable. Thermal resistance: max. 130 °C (steam), 200 °C (heat)

**4**


Type	Neck thread GL	Material	PK	Cat. No.
Gasket	14	silicone, PTFE coated	10	9.209 445
Gasket	18	silicone, PTFE coated	10	9.209 446
Gasket	25	silicone, PTFE coated	10	9.209 447
Gasket	32	silicone, PTFE coated	10	9.209 448
Gasket	45	silicone, PTFE coated	10	9.209 449
Pouring ring	32	ETFE	10	9.209 087
Pouring ring	45	ETFE	10	9.209 089

**5**


6.273 341

**Membrane Cap, PP/ PTFE**

DWK Life Sciences



Cap from PP, membrane made of PTFE with 0.2 µm pore size. Ideal for autoclaving processes because the membrane permits pressure equalisation and tight sealing, reducing the risk of contamination. Temperature resistant up to 140 °C. Typical applications: storage or transport of gas generating media, autoclaving of media.

**6**


6.273 369

Neck thread GL	PK	Cat. No.
25	5	4.664 035
32	5	6.273 341 <b>5</b>
45	5	6.273 369 <b>6</b>
80	2	6.291 131

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 Screw caps, High Temperature (HT), PPS



BOLA

With PTFE/silicone seal made of PPS (polyphenylene sulphide). With PTFE/silicone seals having a particularly high level of mechanical resistance, even in temperatures up to +250 °C. The non-slip, knurled outer surface ensures the screw cap can be closed securely and opened easily. The closure incorporates a PTFE-faced silicone seal wad and the substance in the container only comes in contact with PTFE. The silicone wad levels out any unevenness in the container neck.



For thread size GL	PK	Cat. No.
14	1	9.209 070
18	1	9.209 071
25	1	9.209 072
32	1	9.209 073
45	1	9.209 074

### 2 Screw cap, GL45, with 2 hose connections, PP



DWK Life Sciences

The core moves freely and allows the vessel to be changed without twisting the securely attached tubing.

- For use with elastic, soft tubing of 6 - 9 mm i.d. (Viton®, Tygon®, silicone)
- 2 x polypropylene, curved, hose connections on top and straight connections below
- Autoclavable
- Temperature resistant up to +140 °C
- Dishwasher-proof
- Optional filter top part for sterile pressure equalisation available



Description	PK	Cat. No.
Screw cap, with 2 hose connections	2	9.140 109
Filter top part	1	9.071 692

### 3 Wide-mouth bottles, soda-lime glass

Clear or amber glass. Round thread neck in accordance with DIN 168.

**Please order screw caps separately.**

Colour	Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
clear	30	36.0	68.0	32	126	6.314 706
clear	50	44.0	75.0	32	85	7.960 501
clear	100	50.0	93.0	40	63	7.960 502
clear	125	54.0	98.0	40	80	7.960 503
clear	150	57.0	104.0	45	42	9.072 210
clear	250	70.0	113.0	55	48	7.960 504
clear	500	84.0	154.0	55	20	7.960 505
clear	1000	103.5	180.5	68	18	7.960 506
amber	30	36.0	68.0	32	126	7.960 507
amber	50	44.0	75.0	32	85	7.960 508
amber	100	50.0	92.5	40	56	6.270 392
amber	125	54.0	98.0	40	84	7.960 510
amber	150	57.0	104.0	45	48	9.072 211
amber	250	70.0	113.0	55	30	6.287 780
amber	500	84.0	154.0	55	20	7.960 512
amber	1000	103.5	180.5	68	12	7.960 513



### 4 Screw caps for wide-mouth bottles, PP/LDPE

Cap PP, seal LDPE

Neck thread GL	Material	PK	Cat. No.
32	PP	1	9.072 164
40	PP	1	9.072 165
55	PP	1	9.072 166
68	PP	1	9.072 167
45	PPN	1	6.272 535



➔ Further Safety caps - please see page 1481.

## Vessels/Wide-mouth bottles



### 1 2 Wide-mouth bottles, clear and amber glass, PTFE-lined screw caps

Clear and amber glass. For storage and transport.  
The PTFE-lined screw caps make them ideal for taking samples.

behr



Type	Colour	Capacity ml	Thread diam. mm	PK	Cat. No.
RK 30 GT	clear	30	32	1	4.658 144
RK 50 GT	clear	50	32	1	4.658 145
RK 100 GT	clear	100	40	1	4.658 146
RK 250 GT	clear	250	55	1	9.103 200
RK 500 GT	clear	500	55	1	9.103 201
RK 1000 GT	clear	1000	68	1	9.103 202
RB 30 GT	amber	30	32	1	4.658 141
RB 50 GT	amber	50	32	1	4.658 142
RB 100 GT	amber	100	40	1	4.658 143
RB 250 GT	amber	250	55	1	9.072 325
RB 500 GT	amber	500	55	1	9.072 326
RB 1000 GT	amber	1000	68	1	9.072 327



### 3 Wide-mouth bottles with GLS 80® neck, DURAN®, clear, with screw cap

Laboratory bottle with GLS 80® wide neck (80 mm diameter), autoclavable and up to 500 °C temperature resistant. Neutral/Type 1 glass acc. to USP/EP.

DWK Life Sciences

With Retrace code (Batch identification). Certificate available via the Internet. The wide neck is ideal for any application with powders or granulates, giving easier filling and emptying. With PP screw cap and pouring ring (autoclavable and temperature resistant up to 140 °C). With improved quick release cap which allows the bottle to be easily opened and closed with a minimum of turns.

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105	1	9.071 896
500	101	152	1	9.284 510
1000	101	222	1	9.284 511
2000	136	252	1	9.284 512
3500	160	271	1	9.071 966
5000	182	314	1	9.284 513
10000	227	389	1	9.284 514
20000	288	484	1	9.284 515



### 4 Wide-mouth bottles GLS 80®, DURAN® amber glass

Temperature-resistant, bottle can be used up to 500 °C (for short periods), screw cap and pouring ring up to +140 °C. Protects light-sensitive media from light wavelengths between 200 nm to 470 nm. Unaffected DURAN® properties within the bottle, as colour is only applied on the outer surface. Very uniform, durable and chemically resistant amber colour due to innovative technology. With 80 mm wide mouth screw thread. Ideal for applications with powders and granules, easy filling and emptying. Neutral glass/Type I glass acc. to USP/EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105.5	1	9.071 899
500	101	148.0	1	9.284 516
1000	101	218.0	1	9.284 517
2000	136	248.0	1	9.284 518
3500	160	271.0	1	9.071 968
5000	182	310.0	1	9.284 519
10000	227	385.0	1	9.284 520
20000	288	480.0	1	9.284 521

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 Wide-mouth bottles GLS 80® protect, DURAN®

Laboratory bottle with batch identification (Retrace Code), certificate available via the internet, with GLS80® wide-mouth (o.d. 80 mm). Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. Ideal for any application with powder or granulate, easier filling and emptying. The coating of DURAN® protect is a resistant and transparent plastic coating based on a cross-linked copolymer. Complete with blue quick release closure (PP, integral lip seal) and pouring ring (PP) for drip-free pouring and clean, safe working.

The coating adheres to the surface of the glass and fulfils the following functions:

- protection of the glass surface against mechanical damage (e.g. scratches)
- keeps broken glass in place after breakage and avoids or reduces leakage
- minimises loss of media in case of breakage
- absorption of light up to a wavelength of 380 nm

Temperature resistance:

- autoclavable (< 135 °C)
- can be used in microwaves
- high temperature applications for extended periods (>30 min) and direct heating with a flame not recommended
- freezing down to -30 °C possible

Temperature (max.): 135 °C

Capacity ml	Diam. mm	Height without closure mm	PK	Cat. No.
250	95	105.5	1	9.071 897
500	101	148.0	1	9.284 522
1000	101	218.0	1	9.284 523
2000	136	248.0	1	9.284 524
3500	160	271.0	1	9.071 969
5000	182	310.0	1	9.284 525



### 2 Baffled Wide-mouth bottles, GLS 80®, DURAN®, with screw cap

Baffled Wide-mouth bottle with three vertical baffles in the inner surface of the GLS 80® bottles which disrupt a swirling motion. The baffles improve the top-to-bottom circulation and produce a greater radial mixing. The baffles also offer other advantages such as suppressing the formation of a central vortex, and reducing dead-zones where mixing does not occur.

DWK Life Sciences

- Compatible with both the DURAN® GLS 80® magnetic stirrers, and other magnetic stir bars
- Manufactured from DURAN® borosilicate 3.3 glass
- Fully autoclavable
- The wide 65 mm inner diameter of the GLS 80® wide mouth provides easy access to the contents, or for cleaning
- The baffles are moulded into the glass side wall of the bottles and form a continuous, smooth inner surface making clean up easy
- Compatible with full range of wide mouth GLS 80® connection cap systems for liquid addition or removal when mixing with stir bars.
- The bottles feature an easy-to-read graduated volume scale
- With pouring ring

Applications

- Aerating
- Dissolving
- Emulsifying
- Homogenizing
- Mixing
- Suspending

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
250	95	105	1	6.270 534
500	101	152	1	6.270 535
1000	101	222	1	6.270 536



## Vessels/Wide-mouth bottles



### 1 Double-walled wide-mouth bottles GLS 80®, DURAN®

The DURAN® double-walled wide-mouth bottles GLS 80® incorporate an integral jacket that isolates the contents from the external environment. Heated or cooled liquids can be circulated through the jacket to control the temperature within the screw topped DURAN® bottle.

#### Applications

- Simple, low cost, jacketed chemostat or bioreactor for cell culture.
- Vessel for temperature-controlled reactions such as enzyme digestions.
- Simple continuous flow stirred reactor system with the optional GLS 80® cap components.
- Thermostatic vessel to maintain fluids, or high viscosity liquids at a constant temperature, useful when working with endo- or exothermic reactions.
- Large cold trap or condenser when used with dry ice in the inner container.

#### Features

- Usable temperature range of - 40 to + 120 °C.
- Manufactured from DURAN® borosilicate 3.3 glass.
- All components are fully autoclavable.
- Available in two sizes: 500 and 1000 ml.
- Compatible with full range of wide mouth GLS 80® connection cap systems for liquid addition or removal during processing.

Capacity	Diam.	Height without closure	PK	Cat. No.
ml	mm	mm		
500	110	170	1	6.266 805
1000	110	270	1	6.266 806



### 2 Accessories for Wide-mouth bottles GLS 80®, PP

DWK Life Sciences



Temperature resistant up to 140 °C. Autoclavable.

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	87	40.0	1	9.140 110
Pouring ring, blue	77	6.8	1	9.284 530



### 3 Quick release closure, PSU compound, for GLS 80® laboratory bottles

DWK Life Sciences



The GLS 80® quick release thread allows opening and closing of bottles with three-quarters of a turn. This closure contains dyestuffs. There is a lower risk of contamination due to the double-sided PTFE-coated silicone seal. The medium only comes in contact with PTFE. The matching pouring ring made of PTFE allows clean, drip-free working. Please order separately.

- Good mechanical stability
- High chemical resistance
- Autoclavable/suitable for hot-air sterilisation
- Tmax: 180 °C

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	88.5	40.00	1	7.651 746
Pouring ring		6.85	1	6.237 901
Replacement cap liner, on both sides PTFE coated			1	6.253 984

Further accessories can be found in our online shop.



# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 Connection system for wide-mouth bottles GLS 80®



DWK Life Sciences



Materials used PP, PBT and PTFE. Flexible modular system. Five different hose diameters (3.2 mm, 6.0 mm, 8.0 mm, 10.0 mm and 12.0 mm) can be connected. Sterile pressure equalisation is possible through use of membrane filter. Unused ports can be provided with a blind cap. Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced). Autoclavable - maximum temperature 140 °C.

Description	Neck thread GL	PK	Cat. No.
Insert for screw cap, inner diam. 3.2 mm	18	1	9.284 533
Insert for screw cap, inner diam. 6.0 mm	18	1	9.284 534
Insert for screw cap, inner diam. 8.0 mm	18	1	9.284 535
Insert for screw cap, inner diam. 10.0 mm	18	1	9.284 536
Insert for screw cap, inner diam. 12.0 mm	18	1	9.284 537
Screw cap for tube connection, blue	18	1	9.284 538
Pressure equalization for 4-port	18	1	9.284 539
Screw cap, red	18	1	9.284 540

### ➔ Safety Caps - please see page 1479.

### 2 Wide-mouth reagent bottles with stopper, soda-lime glass

Soda-lime glass. To ISO 4796-2. Standard ground joint neck. With glass stopper. Hydrolytic class 3. DWK Life Sciences



Colour	Capacity	Diam. mm	Height mm	Neck	PK	Cat. No.
	ml			NS		
clear	50	44	79	24/20	1	9.071 405
clear	100	52	97	29/22	1	9.071 408
clear	250	71	129	34/24	1	9.071 414
clear	500	86	164	45/40	1	9.071 419
clear	1000	107	200	60/46	1	9.071 424
amber	100	52	97	29/22	1	9.071 508
amber	250	71	129	34/24	1	9.071 514
amber	500	86	164	45/27	1	9.071 519
amber	1000	107	200	60/46	1	9.071 524

### 3 Wide-mouth reagent bottles with stopper, DURAN®

DURAN®. ISO 4796-2. With standard ground joint as outlined below. With glass stoppers. Glass Type I/neutral glass as per USP, EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable. DWK Life Sciences



Colour	Capacity	Diam. mm	Height mm	Neck	PK	Cat. No.
	ml			NS		
clear	50	44	79	24/20	1	9.071 817
clear	100	52	97	29/22	1	9.071 824
clear	250	70	133	34/35	1	9.071 836
clear	500	86	163	45/40	1	9.071 844
clear	1000	107	201	60/46	1	9.071 854
clear	2000	133	247	60/46	1	9.071 863
amber	50	44	79	24/20	1	9.071 917
amber	100	52	97	29/22	1	9.071 924
amber	250	70	133	34/35	1	9.071 936
amber	500	86	163	45/40	1	9.071 944
amber	1000	107	201	60/46	1	9.071 954
amber	2000	133	247	60/46	1	9.071 963

### 4 LLG-Wide-mouth bottles, with screw cap, LDPE

Natural, translucent. Thick-walled. Ideal for taking, storing and transporting samples of liquids, pastes and granulated products.



Capacity	Diam.	Thread	Height	PK	Cat. No.
ml	mm	external diam. mm	mm		
50	39	32	76.0	50	9.073 510
100	48	32	93.5	20	9.073 511
250	64	40	120.0	10	9.073 512
500	77	50	154.0	10	9.073 513
1000	95	65	205.0	4	9.073 514
1500	108	65	226.0	4	9.073 515
2000	120	65	247.0	1	9.073 516

## Vessels/Wide-mouth bottles

**1**

**1** Wide-mouth bottles, PE, graduated




Will withstand considerable pressure before rupturing. Secured by tagging points on bottle and PP cap. Confidential notes can be placed in the space between insert sealing plug and cap. Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

Capacity	Grad.	Ext. diam.	Int. diam.	Height	PK	Cat. No.
ml	ml	mm	mm	mm		
50	10	40	24.0	77	10	4.672 391
100	20	48	24.0	89	10	4.672 387
250	25	61	34.5	126	10	4.672 390
500	50	75	34.5	158	10	4.672 392
1000	100	93	45.0	200	10	4.672 388
2000	100	115	45.0	247	10	4.672 389

**2**

**2** Bottles, wide-mouth, PE, graduated

Kartell



PE. General purpose bottle meeting Food and Drug regulations with pictograms. Wide neck for easy filling and emptying of liquid or powder samples. Conform to DIN 13316 and 168. With PE closure. Deep seal ensures leakproof closure. Food-safe.

Capacity	Grad.	Ext. diam.	Tubing i.d.	Height	DIN	PK	Cat. No.
ml	ml	mm	mm	mm			
50	10	38	24	88	32	1	9.072 974
100	20	48	24	105	32	1	9.072 975
250	25	60	38	140	45	1	9.072 976
500	100	75	38	170	45	1	9.072 977
1000	100	95	55	206	63	1	9.072 978
2000	100	120	55	252	63	1	9.072 979

**3**

**3** Graduated wide-mouth bottles

Kartell



PP, meeting Food and Drug regulations with pictograms. Very sturdy, rupture-proof bottles. Wide mouth for easy filling and emptying of liquid or powder samples. Conforms to DIN 13316 and 168. With PP closure. Deep seals ensure leakproof closure. Autoclavable. Remove lid before autoclaving.

Capacity	Grad.	Ext. diam.	Tubing i.d.	Height	DIN	PK	Cat. No.
ml	ml	mm	mm	mm			
50	10	38	24	88	32	1	9.073 030
100	20	48	24	105	32	1	9.073 031
250	25	60	38	140	45	1	9.073 032
500	100	75	38	170	45	1	9.073 033
1000	100	95	55	206	63	1	9.073 034
2000	100	120	55	252	63	1	9.073 035

**4**

**4** Wide-mouth bottles, series 303, LDPE

Kautex

Natural, translucent. Thick-walled. Ideal for taking, storing and transporting samples of liquids, pastes and granulated products.

**Please order closure separately.**

Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	39.0	32	76.0	1	9.072 981
100	48.0	32	93.5	1	9.072 982
200	59.0	40	114.0	1	9.072 983
250	64.0	40	120.0	1	9.072 984
300	67.5	40	128.0	1	9.072 985
500	77.0	50	154.0	1	9.072 986
750	88.0	50	173.0	1	9.072 987
1000	95.0	65	205.0	1	9.072 988
1500	108.0	65	226.0	1	9.072 989
2000	120.0	65	247.0	1	9.072 990

Height in mm without cap.

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles

### 1 Caps for wide-mouth bottles, LDPE

Kautex

For bottles	For Thread o.d. mm	PK	Cat. No.
50/100	32	1	6.291 537
200/250/300	40	1	6.291 538
500/750	50	1	6.291 539
1000/1500/2000	65	1	6.291 540



### 2 Wide-mouth bottles, series 303, PP

Kautex



Round, Natural without closure. With approximate graduations. Ideal for liquids, pastes and granulates. For taking samples, sending specimens and as transport containers. Can be filled with hot substances. Autoclavable to max. 121 °C. **With screw closure.**

**Note:** Before autoclaving, unscrew closure and set lightly upside down on the container. Do not screw the closure down.

Capacity	Diam.	Thread external diam.	Height without closure	PK	Cat. No.
ml	mm	mm	mm		
100	48.5	32	94	1	6.287 813
250	64.5	40	121	1	6.287 814
500	77.5	50	155	1	6.287 815
1000	96.0	65	205	1	6.287 816



### 3 Wide-mouth bottles, series 303, HDPE

Kautex

Brown, offers protection against UV rays for light sensitive liquids. These wide-mouth bottles are easy to fill and clean. Leakproof.

**Please order closure separately.**

Capacity	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm		
50	32	76.0	1	9.073 681
100	32	93.5	1	9.073 682
250	40	120.0	1	9.073 684
500	50	154.0	1	9.073 686
1000	65	205.0	1	9.073 688

Height in mm without closure.



### 4 Caps, series 303, HDPE

Kautex

Brown, screw caps.

For bottles	For Thread o.d. mm	PK	Cat. No.
50, 100	32	1	9.073 778
250	40	1	9.073 779
500	50	1	9.073 781
1000	65	1	9.073 782



### 5 Wide-mouth bottles, with closure, 357 series, HDPE

Kautex

Multi-sided (octagonal), natural HDPE, with screw closure. With an extra-large neck opening, this container is ideal for disposal, storage, collection, transport, waste and sampling of dry substances.

Capacity	Diam.	Neck diam.	Thread external diam.	Height	PK	Cat. No.
Litres	mm	mm	mm	mm		
5	190 x 180	108	120	230	1	9.073 036
10	230 x 222	108	120	303	1	9.073 042



## Vessels/Wide-mouth bottles



### 1 Wide-Mouth Bottles Nalgene™, HDPE with screw cap, PP

Durable, general-purpose bottles with countless applications in the lab or field. Translucent. Wide mouth is easy to fill with dry materials or liquids. Excellent chemical resistance to most acids, bases and alcohols. Can be used in freezer - use to -100 °C. Suitable for shipping liquids. Leakproof with PP screw cap.

Thermo Scientific

Capacity ml	Cover type mm	PK	Cat. No.
30	28	12	9.103 221
60	28	12	9.103 222
125	38	12	9.103 223
250	43	12	9.103 224
500	53	12	9.103 225
1000	63	6	9.103 226
1500	63	6	9.103 227



### 2 Wide-mouth bottle Nalgene™ Economy, HDPE, with screw cap, PP

Economical, ruggedly constructed bottle. Guaranteed leakproof for safe sampling, shipping and storage. Translucent bottle allows viewing of liquid level. EPA-specified sample bottle material for a wide variety of inorganic compound and elemental analyses.

Thermo Scientific

Capacity ml	Cover type mm	PK	Cat. No.
30	28	72	9.103 228
60	28	72	9.103 229
125	38	72	9.103 230
250	43	72	9.103 231
500	53	48	9.103 232
1000	63	24	9.103 233



### 3 Wide-mouth bottle Nalgene™ Economy, HDPE, with screw cap, PP, brown

Protects light sensitive samples from UV/VIS light transmission during sampling, shipping or storage. Wide mouth allows easy retrieval of grab samples and reduces turbulence when filling. Single-use sample bottle. Leakproof.

Thermo Scientific

Capacity ml	Cover type mm	PK	Cat. No.
30	28	72	9.103 234
60	28	72	9.103 235
125	38	72	9.103 236
250	43	72	9.103 237
500	53	48	9.103 238
1000	63	24	9.103 239



### 4 Wide-mouth bottles Nalgene™, PPCO, with screw cap, PP



Rigid wall. For general laboratory use.

- Transparent
- Autoclavable (cap should be unscrewed before autoclaving)
- Leakproof
- Withstands temperatures up to +121 °C

Thermo Scientific

Capacity ml	Cover type mm	PK	Cat. No.
30	28	12	9.103 248
60	28	12	9.103 249
125	38	12	9.103 250
250	43	12	9.103 251
500	53	12	9.103 252
1000	63	6	9.103 253

# 1. General laboratory consumables

## Vessels/Wide-mouth bottles-Wide-mouth kegs

### 1 Heavy-duty vacuum bottles, PP, with screw cap, PP



Thermo Scientific

With white PP screw cap and TPE gaskets. Most durable Nalgene-bottle. Large, thick-walled bottle with wide mouth for extra-rugged service. Withstand application of full vacuum for 24 hours at 20 °C. Leakproof. Autoclavable.

Capacity ml	Cover type mm	PK	Cat. No.
250	53B	1	6.510 510
1000	53B	1	7.048 062
2000	53B	1	7.048 063
4000	83B	1	7.048 064
5000	83B	1	7.048 065



### ➔ Suction pumps - please see page 1352.

### 2 Wide-mouth bottle Nalgene™ Economy, PPCO, with screw cap, PP



Thermo Scientific

General-purpose, single-use sample bottle. Leakproof. Autoclavable.

Capacity ml	Cover type mm	PK	Cat. No.
30	28	72	9.103 254
60	28	72	9.103 255
125	38	72	9.103 256
250	43	72	9.103 257
500	53	48	9.103 258
1000	63	24	9.103 259



### 3 Medium neck bottles, series 307, HDPE with screw cap, PP

With graduations. Leakproof screw cap. Multi-purpose bottles for universal use in the laboratory and in industry. Offers a good level of chemical resistance. Generous neck diameters offer easy filling and cleaning. Ideal for pastes, granulates and withstands heat filling.

Kautex

Capacity ml	Thread external diam. mm	Height mm	PK	Cat. No.
100	25	99.5	1	9.073 344
250	28	129.5	1	9.073 345
500	40	161.0	1	9.073 346
1000	50	203.0	1	9.073 347

Height in mm without closure.



### 4 5 Kegs, wide mouth, HDPE, with UN-approval

White, with red lid. UN-approved for Packaging groups I, II and III. Product must have cooled down to 30 °C before the barrel is closed and stacked. All barrels can be sealed airtight, watertight and water-vapour tight.

- Suitable for use with foodstuffs
- Sealable
- Max. filling temperature of 80 °C

Capacity L	Diam. Neck mm	Height mm	Handle	PK	Cat. No.
3.6	198 Ø 136 mm	175	without	1	9.050 020
6.4	198 Ø 136 mm	266	without	1	9.050 021
10.4	274 Ø 204 mm	239	without	1	9.050 019
15.4	274 Ø 204 mm	328	without	1	9.050 022
20.0	274 Ø 204 mm	418	without	1	9.050 018
26.4	316 Ø 204 mm	424	without	1	9.050 023
54.0	410 Ø 282 mm	518	with	1	6.900 353
68.5	410 Ø 282 mm	632	with	1	6.401 093





## Vessels/Narrow-mouth bottles



### 1 Narrow-mouth Winchester bottles, soda-lime glass

Amber, with PP (Pilferproof) 28 neck finish.

**Please order caps separately.**

Capacity ml	Colour	Diam. mm	Height mm	PK	Cat. No.
30	amber	33.9	69	100	9.070 199
50	amber	40.5	81	99	9.070 201
100	amber	50.5	96	56	9.070 202
250	amber	65.0	133	39	9.070 203
500	amber	82.0	160	20	9.070 205
1000	amber	100.5	207	14	9.070 204



### 2 Screw caps for narrow-mouth bottles, PP 28

PP Cap (Pilferproof) 28 neck finish, with approx. 19.4 mm inner mouth.

Description	PK	Cat. No.
Screw caps, black, with foam insert	500	6.272 536
Screw caps, white with cone sealing	500	6.272 537
Closure, white, with pouring ring	500	9.070 211
Originality closure, white, with foam insert	500	9.070 213



### 3 Narrow-mouth bottles, soda-lime glass

Amber or Clear, to DIN 5090. Standard packaging bottles. Round thread neck in accordance with DIN 168.

**Please order caps separately.**

Colour	Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
clear	30	34.0	74.0	18	168	6.287 781
clear	50	36.5	97.0	18	105	6.287 782
clear	100	45.0	117.0	22	72	6.287 783
clear	250	61.5	148.5	22	42	6.287 784
clear	500	76.0	176.5	25	35	6.287 785
clear	1000	96.5	225.0	28	20	6.287 786
amber glass	30	34.0	74.0	18	112	6.287 787
amber glass	50	36.5	97.0	18	84	6.287 788
amber glass	100	45.0	117.0	22	56	6.287 789
amber glass	250	61.5	148.5	22	42	6.287 790
amber glass	500	76.0	176.5	25	35	6.287 792
amber glass	1000	96.5	225.0	28	20	6.287 791



### 4 Screw caps for narrow-mouth bottles, PP/LDPE

PP cap with LDPE seal.

Neck thread GL	PK	Cat. No.
18	1	9.072 160
22	1	9.072 161
25	1	9.072 162
28	1	9.072 163



### 5 Dispenser/bottle-top flasks, amber soda-lime glass

Available ethylene-acrylate-coated or uncoated. The coating envelops the glass bottle like a protection skin. Should the bottle break, the splintering hazards are reduced considerably. To preserve the coating, do not clean at temperatures exceeding 60 °C.

BRAND

- PP screw cap
- LDPE pouring ring
- Space-saving square design
- The maximum operating temperature for coated bottles is 80 °C

Type	Nominal capacity ml	Width mm	Height mm	Neck thread GL	PK	Cat. No.
Ethylene-acrylate coated	100	50	125	32	1	6.073 469
Ethylene-acrylate coated	250	65	160	32	1	6.701 658
Ethylene-acrylate coated	500	80	195	32	1	6.701 659
Ethylene-acrylate coated	1000	95	230	45	1	7.604 011
Ethylene-acrylate coated	2500*	140	300	45	1	7.510 519
Uncoated	100	50	125	32	1	9.284 541
Uncoated	250	65	160	32	1	9.284 542
Uncoated	500	80	195	32	1	9.284 543
Uncoated	1000	95	230	45	1	9.284 544
Uncoated	2500*	140	300	45	1	9.284 545

\* Cylindrical design



# 1. General laboratory consumables

## Vessels/Narrow-mouth bottles

### 1 Narrow-mouth reagent bottles with stopper, soda-lime glass

Amber or Clear. Soda-lime glass. ISO 4796-2. With glass stopper. Hydrolytic class 3. Standard ground joint neck.

DWK Life Sciences

Colour	Capacity	Diam.	Height	Neck	PK	Cat. No.
	ml	mm	mm	NS		
clear	100	52	96	14/15	1	9.070 408
clear	250	72	130	19/26	1	9.070 414
clear	500	89	165	24/29	1	9.070 419
clear	1000	110	200	29/32	1	9.070 424
amber	50	42	80	14/15	1	9.070 505
amber	100	52	96	14/15	1	9.070 508
amber	250	72	130	19/26	1	9.070 514
amber	500	89	165	24/29	1	9.070 519
amber	1000	110	200	29/32	1	9.070 524



### 2 Narrow-mouth reagent bottles with stopper, DURAN®

Amber or Clear. DURAN®. ISO 4796-2. With conical ground joint and glass stopper. Glass Type I/neutral glass as per USP, EP and JP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

DWK Life Sciences

Colour	Capacity	Diam.	Height	Neck	PK	Cat. No.
	ml	mm	mm	NS		
clear	25	36	64	12/21	1	9.070 814
clear	50	42	80	14/15	1	9.070 817
clear	100	52	96	14/15	1	9.070 824
clear	250	70	130	19/26	1	9.070 836
clear	500	86	164	24/29	1	9.070 844
clear	1000	107	200	29/32	1	9.070 854
clear	2000	134	248	29/32	1	9.070 863
clear	5000	182	323	45/40	1	9.070 873
clear	10000	227	398	60/46	1	9.070 886
amber	50	42	80	14/15	1	9.070 917
amber	100	52	96	14/15	1	9.070 924
amber	250	70	130	19/26	1	9.070 936
amber	500	86	164	24/29	1	9.070 944
amber	1000	107	200	29/32	1	9.070 954
amber	2000	134	248	29/32	1	9.070 963



### 3 Kipp dispenser heads, DURAN® tubing

Made of DURAN® tubing. Dispenser heads for kipp dispensers, with cone NS 29/32

Lenz

Description	PK	Cat. No.
Dispenser head for Kipp dispenser 5 ml	1	9.277 105
Dispenser head for Kipp dispenser 10 ml	1	9.277 110
Dispenser head for Kipp dispenser 20 ml	1	9.277 120
Dispenser head for Kipp dispenser 25 ml	1	9.277 125
Dispenser head for Kipp dispenser 50 ml	1	9.277 150
Reservoir bottle for dispenser heads	1	6.224 318



➔ More bottles please see page 62



## Vessels/Narrow-mouth bottles

### 1 LLG-Narrow-mouth bottles with cap, LDPE, economy pack

Transparent with cap.



Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	37	18	78	50	9.073 500
100	47	18	105	20	9.073 501
250	63	25	119	10	9.073 502
500	78	25	152	10	9.073 503
1000	96	28	206	4	9.073 504
2000	120	28	264	1	9.073 505

### 2 Narrow-mouth bottles, series 301, LDPE

Natural. Round bottle without closure. Tall, narrow form, leakproof. Easy to handle. Also available with dropper cap or spray cap.

Kautex

**Please order cap separately.**

Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
10	26.0	14	46.5	1	9.072 741
20	31.5	14	56.5	1	9.072 742
30	33.5	14	68.5	1	9.072 743
50	37.5	18	86.0	1	9.072 745
100	47.5	18	105.0	1	9.072 748
200	57.5	18	133.0	1	9.072 751
250	61.3	25	140.0	1	9.072 750
500	75.0	25	177.0	1	9.072 752
1000	97.5	28	223.5	1	9.072 755

### 3 Narrow-mouth bottles, series 301, LDPE, with srew cap

Natural, round. Tall, narrow form, leakproof. Easy to handle.

Kautex

Also available with dropper cap or spray cap.

Capacity	Diam.	Height	Thread external diam.	PK	Cat. No.
ml	mm	mm	mm		
2000	120	264	28	1	9.072 757
3000	138	300	32	1	9.072 759
5000	162	355	40	1	9.072 762



### 4 Round square-shouldered bottles, series 302, HDPE

Natural. Round. Tall, narrow form, leakproof. Easy to handle.

Kautex

Also available with dropper cap or spray cap.

**Please order cap separately.**



Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	36.5	18	80.0	1	9.073 365
100	44.5	18	98.5	1	9.073 366
500	75.5	25	160.0	1	9.073 369
1000	95.0	28	196.0	1	9.073 370

Height in mm without cap.

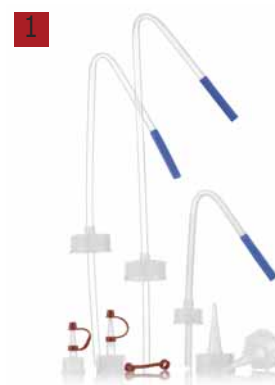
# 1. General laboratory consumables

## Vessels/Narrow-mouth bottles

### 1 Caps for narrow-mouth bottles, series 301/302/310, LDPE

Natural.

Kautex



For bottles ml	For Thread o.d. mm	Description	PK	Cat. No.
10, 20, 30	14	Dropping cap *	1	9.073 314
50, 100, 200	18	Dropping cap *	1	9.073 315
250, 500	25	Dropping cap *	1	9.073 318
1000, 2000	28	Dropping cap *	1	9.073 319
10, 20, 30	14	Screw-type cap	1	9.072 771
50, 100, 200	18	Screw-type cap	1	9.072 773
250/500	25	Screw-type cap	1	6.291 535
1000, 2000	28	Screw-type cap	1	6.291 536
100	18	Spray cap	1	9.223 110
200	18	Spray cap	1	9.223 111
250	25	Spray cap	1	9.223 112
500	25	Spray cap	1	9.223 113
1000	28	Spray cap	1	9.223 114
2000	28	Spray cap	1	9.223 120
alle		Small nozzle cap with red retaining band, PVC	1	9.073 320

\* with PVC-Nozzle, red

### 2 Round Bottles, series 308, HDPE

Neck design allows single handed use.

Kautex

Used for:

- Packaging
- Storage
- Transport

**Please order closure separately.**

Capacity ml	Diam. mm	Neck diam. mm	Thread external diam. mm	Height mm	PK	Cat. No.
50	32	17.0	22	86.0	1	9.072 783
100	41	17.0	22	108.5	1	9.072 784
250	56	17.0	22	135.5	1	9.072 785
500	70	19.4	25	173.0	1	9.072 786
1000	89	19.4	25	211.5	1	9.072 787

Height without cap.

2



3



### 3 Caps for Round Bottles, series 308, PP

White caps.

Kautex

For bottles ml	Description	Thread Internal Ø mm	PK	Cat. No.
50 / 100 / 250	Neck opening caps	22	1	9.072 788
500 / 1000	Neck opening caps	25	1	9.072 789

## Vessels/Narrow-mouth bottles

**1**

**1**

### Narrow-mouth reagent bottles, series 308/310, HDPE, UN-approved

UN-approved (only with the fitting UN-approved closures: 9.073 379 - 381).  
 Square except 500 ml size which is round and has an outside diameter of 77 mm.  
 Available in natural or black. Suitable for transporting hazardous liquids. Leakproof.  
**Please order closure separately.**

*Kautex*

Colour	Capacity ml	Height mm	Weight g	Neck thread GL	Serie	PK	Cat. No.
natural	500	176.5	50	45	500	1	9.073 373
natural	1000	211.8	88	45	1000	1	9.073 374
natural	2500	282.0	163	45	2500	1	9.073 375
black	500	176.5	52	45	500	1	9.073 376
black	1000	211.8	92	45	1000	1	9.073 377
black	2500	282.0	167	45	2500	1	9.073 378

Height in mm without closure.

**2**

**2**

### Narrow-mouth bottles, series 310 "Clear Grip", PP

Transparent with bright surface, ideal for product presentations.  
 Low weight, outstanding chemical resistance and thermal stability,  
 balanced stiffness and impact resistance.

*Kautex*
**Please order closures separately.**

Capacity ml	Height mm	Weight g	Neck thread GL	PK	Cat. No.
100	108	15	32	1	9.073 456
250	136	21	32	1	9.073 457
500	169	40	45	1	9.073 458
1000	204	61	45	1	9.073 459

**3**

**3**

### Closures for narrow-mouth reagent bottles, series 310, UN-approved

UN-approved.

*Kautex*

**Type 1: Light cap**, white, PP, tamper-evident ring, white, PTFE cup-shaped liner  
 (without figure)

**Type 2: Light cap**, black, HDPE, tamper-evident ring, black, PTFE cup-shaped liner

**Type 3: Bell cap**, black, PP, tamper-evident ring, red, cup-shaped PTFE liner

**Type 4: Bell cap**, red, PP, with degassing membrane, tamper-evident ring, red, cup-shaped, perforated PTFE liner

Type	Description	For bottles ml	For Thread o.d. mm	PK	Cat. No.
1	Light cap	100 ... 250	32	1	9.073 480
2	Light cap	500, 1000, 2500	45	1	9.073 379
3	Bell cap	500, 1000, 2500	45	1	9.073 380
4	Bell cap	500, 1000, 2500	45	1	9.073 381

**4**

**4**

### Caps for narrow-mouth reagent bottles, PP

**A) Tamper-evident cap**, blue, with conical seal and tamper-evident ring.  
 Immediately indicates unauthorised opening. Perfect for determining whether  
 the cap has been removed.

*Kautex*

**B) Tamper-evident cap**, red, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised  
 opening. Perfect for determining whether the cap has been removed.

**C) Tamper-evident cap**, white/blue, with push and turn function, conical seal and tamper-evident ring.  
 Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

**D) Tamper-evident cap**, white/red, with push and turn function, tamper-evident ring, conical seal and  
 degassing membrane.

**without Fig.) Tamper-evident cap**, red, degassing cap, with conical gasket and degassing membrane.

For bottles ml	For Thread o.d. mm	Figure	PK	Cat. No.
2500	45	A	1	9.072 862
100 to 1000	32	B	1	9.072 863
100 to 1000	32	C	1	9.072 866
100 to 1000	32	D	1	9.072 867
100 to 1000	32	-	1	9.072 905

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- Narrow neck bottles
- Polygonal bottles
- Wash bottles
- UN Bottles
- Wide neck containers
- Wide neck jars
- UN Jerrycans
- Carboys
- Buckets



### 1 Round Bottles, series 321 "VarioPack Dual" with PA barrier layer, white

High-quality packaging with barrier layer of polyamide for highly volatile or intense smelling media with high permeation rate.

Kautex

- Used for:
- Packaging
  - Storage
  - Transport

**Please order closure separately.**



Capacity	Diam.	Neck diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
250	62	42	50	131.3	1	9.073 517
500	69	42	50	186.5	1	9.073 518
1000	88	42	50	234.0	1	9.073 519

Height without cap.

### 2 Caps for Round Bottles, VarioPack, HDPE

Closure HDPE, white, with PA/PE/PA-insert and tamper evident ring

Kautex



For bottles	Description	Thread Internal Ø	PK	Cat. No.
ml		mm		
250 - 1000	Closure HDPE	50	1	9.073 520



## Vessels/Narrow-mouth bottles



### 1 Narrow-mouth bottles Nalgene™, with screw cap, PP

Thermo Scientific



- High level of chemical resistance
- Leakproof
- Autoclavable (cap must be unscrewed before autoclaving)

Capacity ml	Screw cap diam. mm	PK	Cat. No.
4	13	12	9.103 260
8	20	12	9.103 261
15	20	12	9.103 262
30	20	12	9.103 263
60	20	12	9.103 264
125	24	12	9.103 265
250	24	12	9.103 266
500	28	12	9.103 267
1000	38-430*	6	9.103 268

\* with high form thread.



### 2 Narrow-mouth bottles Nalgene™, HDPE, with screw cap, PP

Thermo Scientific

- High level of chemical resistance
- Leakproof

Capacity ml	Screw cap diam. mm	PK	Cat. No.
4	13	12	9.103 269
8	20	12	9.103 270
15	20	12	9.103 271
30	20	12	9.103 272
60	20	12	9.103 273
125	24	12	9.103 274
250	24	12	9.103 275
500	28	12	9.103 276
500	38-430*	12	9.103 277
1000	38-430*	6	9.103 278

\* with high form thread.



### 3 Narrow-mouth bottles Nalgene™ Economy , PPCO, with screw cap, PP

Thermo Scientific



General-purpose, single-use sample bottle.

- Leakproof
- Autoclavable

Capacity ml	Cover type mm	PK	Cat. No.
30	20	1	9.103 035
60	20	1	9.103 036
125	24	1	9.103 037
250	24	1	9.103 038
500	28	1	9.103 039
1000	38-43	1	9.103 040



### 4 Diagnostic bottles Nalgene™, PETG, with white screw cap, HDPE

Thermo Scientific

For sterile sampling, storage and shipment of reagents and buffer solutions.

- Pyrogen-free
- Non-cytotoxic
- USP class VI

Capacity ml	Diam. mm	Height mm	Neck diam. int. mm	Sterile	PK	Cat. No.
5	22	46	11	+	100	6.803 092
10	24	56	11	+	100	6.205 128
20	30	65	11	+	100	7.632 641



# 1. General laboratory consumables

## Vessels/Narrow-mouth bottles-Square bottles

### 1 Reagent bottles, PP, GL 45



VITLAB

Transparent. With PP screw cap. Good chemical resistance, ideal for storage of liquids. Autoclavable at 121 °C (2 bar) according to DIN EN 285. Food-safe product according to regulation (EU) No. 10/2011. Size 5000 ml with a carrying handle made of HDPE.



Capacity ml	Ext. diam. mm	Neck thread GL	Height mm	PK	Cat. No.
250	132	45	73	1	7.055 116
500	172	45	87	1	7.072 173
1000	197	45	105	1	9.073 171
2000	241	45	131	1	9.073 172
5000	315	45	178	1	9.073 170

### 2 Aluminium bottles, with UN approval



Bürkle

The aluminium bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered.

- With UN approval (60 - 5600 ml)
- Pure aluminium (AL99.5 material)
- PP screw cap with internal aluminium seal included



Description	Capacity ml	Diam. mm	Height mm	PK	Cat. No.
Bottle	5600	161	340	1	6.290 529
Bottle	60	40	88	10	6.291 403
Bottle	120	57	97	10	6.291 404
Bottle	300	57	160	10	6.291 405
Bottle	600	74	192	10	6.291 406
Bottle	1200	88	248	10	6.291 407
Bottle	3000	161	215	10	6.291 408
Bottle	5600	161	340	10	6.291 409
Screw cap for 38 ml				1	6.269 841
Screw cap for 60-1200 ml				1	6.201 285

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

Easy to use due to square shape, highly stable, good stackability - proven DURAN® properties give a space saving of 44 % in comparison with standard laboratory bottles (example applies to 100 ml bottles) With pouring ring and PP screw cap. Temperature (max.): +140 °C

DWK Life Sciences

Advantages:

- proven DURAN® properties
- excellent chemical resistance
- low coefficient of expansion
- 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.



Capacity ml	Width mm	Height* mm	Neck thread GL	PK	Cat. No.
100	50	109	32	1	9.072 076
250	64	143	45	1	9.072 077
500	78	181	45	1	9.072 078
1000	94	222	45	1	9.072 079

\*Height mm incl. cap

## Vessels/Square bottles



### 1 Square, screw cap bottles, wide-mouth, soda-lime glass

Soda-lime glass. With short thread. Hydrolytical class 3.

DWK Life Sciences

**Please order pouring ring separately.**

Colour	Capacity ml	Diam. mm	Height mm	Neck thread	PK	Cat. No.
clear	50	48	70	32	1	9.072 073
clear	100	49	109	32	1	9.072 071
clear	250	64	146	45	1	9.072 072
clear	500	77	173	54	1	9.072 075
clear	1000	97	213	60	1	9.072 080
amber	100	49	109	32	1	9.072 081
amber	250	64	146	45	1	9.072 082
amber	500	77	173	54	1	9.072 085
amber	1000	97	213	54	1	9.072 090



### 2 Narrow-mouth square bottles, soda-lime glass, with screw cap

Soda-lime glass, with high threaded neck. Without closure. Hydrolytical class 3.

DWK Life Sciences

clear: without pouring ring and dust cap

amber: with pouring ring and dust cap

Colour	Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
clear	100	49	119	32	1	9.072 051
clear	250	64	155	32	1	9.072 052
clear	500	77	186	32	1	9.072 055
clear	1000	97	223	45	1	9.072 060
amber	100	49	119	32	1	9.072 061
amber	250	64	155	32	1	9.072 062
amber	500	77	186	32	1	9.072 065
amber	1000	97	223	45	1	9.072 070



### 3 Tamper-evident caps for soda-lime square screw cap bottles, PP

Blue PP. For square screw cap bottles (soda-lime glass).

Type H: Narrow-neck, with high form thread.

Type K: Wide-necked, with short form thread.

Temperature (max.): 140 °C

Type	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
32 H	45	32	32	1	9.072 041
45 H	60	35	45	1	9.072 042
32 K	44	23	32	1	9.072 092
45 K	58	27	45	1	9.072 093
54 K	69	29	54	1	9.072 094
60 K	78	29	60	1	9.072 095



### 4 Wide-mouth bottles, PE, square, graduated, with screw cap

Kartell



Space saving bottles, ideal for long term storage of samples. With PP screw cap. Approximate graduations allow reproducible filling without the use of cylinders/beakers. Easy grip caps can be wired down for security. Suitable for foodstuff according to EC Regulation EC Regulation 10/2011.

Capacity ml	Grad. ml	Tubing i.d. mm	Width mm	Depth mm	Height mm	PK	Cat. No.
25	5	18.0	32	34	52	1	9.072 943
50	10	24.0	38	38	70	1	9.072 944
100	20	34.5	42	48	90	1	9.072 945
250	50	34.5	57	60	110	1	9.072 946
500	100	45.0	70	80	138	1	9.072 947
1000	100	58.0	80	103	176	1	9.072 948
2000	100	58.0	100	134	210	1	9.072 949

# 1. General laboratory consumables

## Vessels/Square bottles

### 1 2 Square bottles, HDPE and PVC, series 310

Square, HDPE, Natural, translucent bottle. Square, PVC, transparent, rigid bottle.  
**Please order screw caps separately.**

Kautex

Capacity ml	Thread external diam. mm	Width mm	Depth mm	Height mm	Material	PK	Cat. No.
100	18	40.5	32.0	110.5	HDPE	1	9.072 808
250	25	53.5	42.0	146.5	HDPE	1	9.072 814
500	25	63.5	54.5	180.0	HDPE	1	9.072 819
1000	25	84.0	66.0	222.5	HDPE	1	9.072 824
250	25	59.0	38.0	151.5	PVC	1	9.072 914
500	25	70.0	50.0	189.0	PVC	1	9.072 919
1000	25	87.5	61.0	233.0	PVC	1	9.072 924

Height in mm without cap.



### 3 Caps for HDPE and PVC square bottles series 310

Kautex



For bottles	Description	PK	Cat. No.
100 ml, HDPE	Moulded plastic cap, black melamine	1	9.073 321
250, 500 and 1000 ml, HDPE	Moulded plastic cap, black melamine	1	9.073 322
250, 500 and 1000 ml, PVC	Moulded plastic cap, melamine, white	1	9.072 929
250, 500 and 1000 ml, PVC	Screw cap, white PP, with washbottle jet	1	9.072 915

### 4 Square wide-mouth containers, series 310, PETG

Without closure. Crystal clear, ideal for presenting products in their true colours.  
 The wide-mouth enables easy filling and cleaning.  
**Please order closures separately.**

Kautex



Capacity ml	Thread external diam. mm	Height mm	PK	Cat. No.
50	32	60.5	1	9.073 395
100	40	71.0	1	9.073 396
200	50	88.0	1	9.073 397
500	65	108.0	1	9.073 398
1000	80	143.0	1	9.073 399
2000	80	187.0	1	9.073 400

Height in mm without closure.

➔ Further Caps - please see page 81.

## Vessels/Square bottles

**1**


### 1 Square wide-mouth containers, series 310, PVC

Transparent. Clear, for good product presentation. Amber, for light sensitive contents. The wide mouth allows for easy filling and cleaning. Black PP, tamper-evident leakproof closure.

*Kautex*

**Please order closures separately.**

Colour	Capacity	Thread external diam.	Height	PK	Cat. No.
	ml	mm	mm		
Transparent	100	40	83.5	1	9.074 051
Transparent	200	50	98.5	1	9.074 052
Transparent	300	50	105.5	1	9.074 053
Transparent	500	65	118.5	1	9.074 054
Amber	100	40	83.5	1	9.074 061
Amber	200	50	98.5	1	9.074 062
Amber	300	50	105.5	1	9.074 063
Amber	500	65	118.5	1	9.074 064

Height in mm without closure.

**2**


### 2 Square, wide-mouth containers, series 310, PVC

Rigid, Amber or Clear PVC containers. Universal container for storage, sample dispatch and transport. The clear version is ideal for colour-fast product presentation.

*Kautex*

The amber version is suitable for light sensitive products.

**Please order screw caps separately.**

Colour	Capacity	Thread external diam.	Width	Depth	Height without closure	PK	Cat. No.
	ml	mm					
clear	50	32	38.0	38.0	57	1	9.073 050
clear	100	40	46.0	46.0	71	1	9.073 051
clear	200	50	59.5	59.5	87	1	9.073 052
clear	300	50	67.5	67.5	94	1	9.073 053
clear	500	65	80.5	80.5	108	1	9.073 054
clear	750	80	91.5	91.5	120	1	9.073 055
clear	1000	80	97.5	97.5	143	1	9.073 056
clear	2000	80	122.0	122.0	187	1	9.073 057
amber	50	32	38.0	38.0	54	1	9.073 060
amber	100	40	46.0	46.0	71	1	9.073 061
amber	200	50	59.5	59.5	87	1	9.073 062
amber	300	50	67.5	67.5	94	1	9.073 063
amber	500	65	80.5	80.5	108	1	9.073 064
amber	750	80	91.5	91.5	120	1	9.073 065
amber	1000	80	97.5	97.5	143	1	9.073 066
amber	2000	80	122.0	122.0	187	1	9.073 067

**3**


### 3 Caps for series 310 PETG and PVC

Black screw caps, suitable for wide mouth containers made of PVC (clear or amber) and PETG.

*Kautex*

For volume	For Thread o.d.	PK	Cat. No.
ml	mm		
50	32	1	9.073 070
100	40	1	9.073 071
200 and 300	50	1	9.073 072
500	65	1	9.073 073
750 and 1000	80	1	9.073 074
2000	80	1	9.073 075

**4**


### 4 Tamper-evident caps for series 310, PP/PE

Suitable for series 310 PVC wide mouth containers (transparent and amber).

*Kautex*

Tamper-evident black PP cap with PE foam liner and tamper-evident ring which immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

For jars	For Thread o.d.	PK	Cat. No.
ml	mm		
100	40	1	9.074 071
200 and 300	50	1	9.074 072
500	65	1	9.074 073

# 1. General laboratory consumables

## Vessels/Square bottles

### 1 2 Square reagent bottles, HDPE

Natural or white. Wide neck. UN approved for solid materials.

Kautex

**Please order closure separately.**

Colour	Capacity ml	Thread external diam. mm	Width mm	Depth mm	Height without closure mm	PK	Cat. No.
natural	50	28*	36	36	88.5	1	9.072 869
natural	100	32	45	45	101.0	1	9.072 870
natural	250	45	59	59	128.0	1	9.072 871
natural	350	45*	60	60	164.0	1	9.072 877
natural	500	54	75	75	161.0	1	9.072 872
natural	750	54	83	83	185.0	1	9.072 878
natural	1000	54	85	85	212.0	1	9.072 873
natural	1500	80	108	108	209.0	1	9.072 874
natural	2500	80	122	122	258.0	1	9.072 875
natural	4000	80	142	142	294.0	1	9.072 876
white	50	28*	36	36	88.5	1	9.072 879
white	100	32	45	45	101.0	1	9.072 880
white	250	45	59	59	128.0	1	9.072 881
white	500	54	75	75	161.0	1	9.072 882
white	750	54	83	83	185.0	1	9.072 883
white	1000	54	85	85	212.0	1	9.072 884
white	1500	80	108	108	209.0	1	9.072 885
white	2500	80	122	122	258.0	1	9.072 886
white	4000	80	142	142	294.0	1	9.072 887

\*not UN approved



### 3 Caps for wide-mouth reagent bottles, PP (melamine\*)

Guarantees the functionality and the tightness of the bottle to protect the contents.

Kautex

**Type a) Screw cap, black** with 1.5 mm PE foam lining. Ensures that the bottle is tightly and safely sealed.

**Type b) Tamper-evident cap, blue**, with conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

**Type c) Tamper-evident cap, red**, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

Type	For bottles ml	Colour	Thread external diam. mm	PK	Cat. No.
Type a*	50	black	28	1	9.072 894
Type a	100	black	32	1	9.072 895
Type a	250, 350	black	45	1	9.072 896
Type a	500, 750, 1000	black	54	1	9.072 897
Type a	1500 - 4000	black	80	1	9.072 898
Type b	50	blue	28	1	9.072 904
Type b	1500 - 4000	blue	80	1	9.072 893
Type c	50	red	28	1	9.072 899
Type c	100	red	32	1	9.072 900
Type c	250, 350	red	45	1	9.072 901
Type c	500, 750, 1000	red	54	1	9.072 902
Type c	1500 - 4000	red	80	1	9.072 903

\* melamine.





## Vessels/Square bottles-Reagent bottles

**1**


### 1 Wide-mouth square bottles, 311 series, HDPE

Natural. Square with recessed handle. Large, wide-mouth containers designed to be space-saving. Safe and easy to use. Ideal for storing, collecting and transporting dry substances.

*Kautex*

**Type 1: Tamper-evident cap 9.072 893 please order separately.**  
**Type 2: Supplied with closure.**

Description	Capacity	Thread external diam.		Height	PK	Cat. No.
	ml	mm	mm	mm		
Type 1 (without cap)	2300	80		188	1	<b>9.072 932</b>
Type 2 (with cap)	4400	120		263	1	<b>9.072 934</b>

**2**


### 2 Tamper-evident cap for 311 series, PP

Blue, with conical seal and tamper-evident ring for 2.3 L wide mouth containers. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

*Kautex*

For	PK	Cat. No.
Type 2300, art. nr. 9.072 932	1	<b>9.072 893</b>

**3**


### 3 Square reagent bottles, HDPE

Natural or white. Narrow neck.

*Kautex*

**Please order closures separately.**

Colour	Capacity	Thread external diam.		Width	Depth	Height without closure	PK	Cat. No.
	ml	mm	mm	mm	mm	mm		
natural	100	32		45	45	108	1	<b>9.072 850</b>
natural	250	32		60	60	136	1	<b>9.072 851</b>
natural	500	32		74	74	170	1	<b>9.072 852</b>
natural	1000	32		85	85	221	1	<b>9.072 853</b>
natural	2500	45		122	122	272	1	<b>9.072 854</b>
white	100	32		45	45	108	1	<b>9.072 855</b>
white	250	32		60	60	136	1	<b>9.072 856</b>
white	500	32		74	74	170	1	<b>9.072 857</b>
white	1000	32		85	85	221	1	<b>9.072 858</b>
white	2500	45		122	122	272	1	<b>9.072 859</b>

**4**


### 4 Square bottles Nalgene™ Type 2007, HDPE, with PP screw cap

Leakproof.

*Thermo Scientific*

Capacity	Screw cap diam.	Width	Depth	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
125	28	64	58	102	12	<b>9.103 279</b>
250	38	76	48	114	12	<b>9.103 280</b>
500	48	94	58	140	12	<b>9.103 281</b>
1000	53	125	71	180	6	<b>9.103 282</b>
2000	63	152	81	239	4	<b>9.103 283</b>

**5**


### 5 Acid cap bottles

DURAN®. Conical shoulders. With NS pennyhead stopper and interchangeable glass cap. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

*DWK Life Sciences*

Colour	Capacity	Diam. mm	Height NS		PK	Cat. No.
	ml		mm	mm		
clear	100	55	145	19/17	1	<b>9.072 408</b>
clear	250	75	180	19/17	1	<b>9.072 414</b>
clear	500	82	220	24/20	1	<b>9.072 419</b>
clear	1000	109	260	29/32	1	<b>9.072 424</b>
amber	100	55	145	19/17	1	<b>9.072 508</b>
amber	250	75	180	19/17	1	<b>9.072 514</b>
amber	500	82	220	24/20	1	<b>9.072 519</b>
amber	1000	109	260	29/32	1	<b>9.072 524</b>

# 1. General laboratory consumables

## Vessels/Spray, dropping bottles

### 1 LLG-Wash bottles, narrow neck, PE

Easy to squeeze, semi-rigid, translucent, with excellent clarity. The stream of the liquid can be easily controlled by hand pressure. Dispensing tip provides extra fine stream - tip can be cut back in order to increase the flow rate, if required.

Capacity ml	PK	Cat. No.
100	10	9.223 509
250	10	9.223 510
500	10	9.223 511
1000	10	9.223 512



### 2 Wash bottles Nalgene™ Type 2401, LDPE

LDPE bottle and suction tube. PP screw cap and suction tube support moulded as one piece.

Thermo Scientific

Capacity ml	Screw cap diam. mm	Height mm	PK	Cat. No.
125	24	147	1	9.223 223
250	24	175	1	9.223 224
500	28	213	1	9.223 225
1000	38-430*	259	1	9.223 226

\*with high form thread



### 3 Wide-neck wash bottles, Nalgene™ Unitary™, Type 2402, LDPE, with screw cap, PP

LDPE Bottle with leakproof PP screw cap. Wide mouth neck. Bottle and dispensing jet are moulded in one piece.

Thermo Scientific

Type	Capacity ml	Screw cap diam. mm	PK	Cat. No.
2402	125	24	1	9.223 236
2402	250	38	1	9.223 237
2402	500	38	1	9.223 238
2402	750	38	1	9.223 239
2402	1000	43	1	9.223 240



### 4 Coloured wash-bottles, narrow-neck, LDPE/PP

Transparent. Available in four different colours to facilitate ready identification. Screw cap and PP spray tube. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

VITLAB



Capacity ml	Neck thread GL	Colour	Height mm	Diam. mm	PK	Cat. No.
250	25	red	135	65	1	4.678 162
250	25	green	135	65	1	4.678 160
250	25	yellow	135	65	1	4.678 161
250	25	blue	135	65	1	4.678 159
500	25	red	180	74	5	4.664 278
500	25	green	180	74	5	4.664 281
500	25	yellow	180	74	5	4.664 282
500	25	blue	180	74	5	4.664 283
500	25	Set: red, green, yellow, blue (1 pc each)	180	74	1	7.910 783
1000	32	red	221	92	1	4.678 166
1000	32	green	221	92	1	4.678 165
1000	32	yellow	221	92	1	4.678 164
1000	32	blue	221	92	1	4.678 163
1000	32	Set: red, green, yellow, blue (1 pc each)	221	92	1	4.671 822

## Vessels/Spray, dropping bottles



### 1 Wash bottle caps VENT-CAP, PP

**NEW**

VITLAB

No leakage or dripping with the VENT-CAP screw cap, the design of which prevents almost all static overpressure.

For bottles ml	Neck thread GL	Colour	PK	Cat. No.
250	25	Red	1	4.671 442
250	25	Blue	1	4.671 443
250	25	Green	1	4.671 444
250	25	Orange	1	4.671 445
250	25	Yellow	1	4.671 446
250	45	Red	1	4.671 599
250	45	Blue	1	4.671 600
250	45	Green	1	4.671 601
250	45	Orange	1	4.671 602
250	45	Yellow	1	4.671 603
500	25	Transparent	1	4.671 604
500	25	Red	1	4.671 605
500	25	Blue	1	4.671 606
500	25	Green	1	4.671 607
500	25	Orange	1	4.671 608
500	25	Yellow	1	4.671 609
500	45	Transparent	1	4.671 610
500	45	Red	1	4.671 611
500	45	Blue	1	4.671 612
500	45	Green	1	4.671 613
500	45	Orange	1	4.671 614
500	45	Yellow	1	4.671 615
1000	32	Red	1	4.671 616
1000	63	Red	1	4.671 617

**2**


### 2 LLG-Safety wash bottles, LDPE

Manufactured from LDPE and with the safety label printed on the wash bottle in accordance with regulation (EC) No. 1272/2008 (GHS).

- Colour coded cap and bottle for easy and quick recognition of the bottle content
- Dispensing tube designed to optimize backflow and turbulence-free operation.
- Permanent printing on the body of safety symbols in acc. with GHS, as well as of chemical formula, CAS number, hazard pictogram, signal word, hazard statements and NFPA code.
- Chemical name and Warning texts in German, English, French and Spanish

Colour	Capacity ml	Print	PK	Cat. No.
red	500	acetone	10	6.291 413
blue	500	distilled water	10	6.291 414
green	500	ethanol	10	6.291 415
yellow	500	isopropanol	10	6.291 416
orange	500	methanol	10	6.291 417

**3**


### 3 LLG-Safety vented wash bottles, LDPE

- Available in the languages: SP/FR/D/UK, NL/GR/IT/UK
- Wide mouth wide neck wash bottles featuring the patented DripLok® vapour venting valve that prevents solvent drips
- Indelibly printed
- Choose from 4 solvent labels all including the new Globally Harmonised Symbols, NFPA diamond, risk phrases and safety information
- Fitted with colour coded, one-piece polypropylene closures that maintain their shape in use
- Closures feature precision jet-tip aperture for fine control

Print	Capacity ml	Colour	Language	PK	Cat. No.
Acetone	500	red	SP/FR/D/UK	1	9.223 491
Acetone	500	red	NL/GR/IT/UK	1	4.663 289
Methanol	500	orange	SP/FR/D/UK	1	9.223 492
Methanol	500	orange	NL/GR/IT/UK	1	4.663 292
Isopropanol	500	yellow	SP/FR/D/UK	1	9.223 493
Isopropanol	500	yellow	NL/GR/IT/UK	1	4.663 291
Ethanol	500	green	SP/FR/D/UK	1	9.223 494
Ethanol	500	green	NL/GR/IT/UK	1	4.663 290

Further models can be found in our online shop.

# 1. General laboratory consumables

## Vessels/Spray, dropping bottles

### 1 Washbottles with imprint, LDPE

Transparent. Screw cap and spray tube made of PP. Imprinted with "Distilled Water" in German, English, French and Spanish. Upon request, also with other imprints for non-hazardous media according to the RECh Directive. VITLAB



Capacity ml	Neck thread GL	Print	PK	Cat. No.
250	25	Distilled water	1	9.223 301
250	45	Distilled water	1	6.256 388
500	25	Distilled water	1	9.223 321
1000	32	Distilled water	1	9.223 331

Further washbottles available on request.

### 2 Safety wash bottles, wide mouth, series 303, HDPE

Laboratory safety wash bottle printed with symbols for hazardous substances. Leakproof. Description of contents is given in German, English and French. Scratch-resistant ink. Bottles can be fully emptied thanks to a movable outlet jet, also can be used upside down. Safety note: If the base of the jet is positioned above the liquid level, no liquid will be ejected in the event of a change in temperature. The jet tip is sealed for safety during transport and must be cut before use. With fitted HDPE washbottle cap. Kautex



Type	Colour	Capacity ml	Thread external diam. mm	Height mm	PK	Cat. No.
Acetone	Red	250	40	120	1	9.073 355
Acetone	Red	500	50	154	1	9.073 356
Ethanol	Green	250	40	120	1	9.073 357
Ethanol	Green	500	50	154	1	9.073 358
Isopropanol	Yellow	250	40	120	1	9.073 359
Isopropanol	Yellow	500	50	154	1	9.073 360
Methanol	Orange	250	40	120	1	9.073 361
Methanol	Orange	500	50	154	1	9.073 362
Distilled water	Blue	250	40	120	1	9.073 363
Distilled water	Blue	500	50	154	1	9.073 364

Height in mm without closure.

### 3 Safety washbottles Nalgene™, PE

Solvent resistant print, indicating capacity, formula and hazard symbol. Text in english. Markings in accordance with hazardous material regulations. Non-metallic vent keeps contents in bottle. No risk of solvent leakage. Thermo Scientific



Capacity ml	Print	Screw cap diam. mm	PK	Cat. No.
500	Acetone	28	1	9.223 261
500	Ethanol	28	1	9.223 263
500	Methanol	28	1	9.223 265
500	Distilled water	28	1	9.223 269

### 4 GHS Safety Wash Bottles Nalgene™

Prevent chemical accidents in the lab with Nalgene Right-to-Understand LDPE Wash Bottles. Bottles are pre-labeled with chemical identification and safe handling information following the GHS specifications as applicable to secondary laboratory containers. Wash bottles are ready to use when you transfer common laboratory chemicals from manufacturers' containers. Self-venting wash bottles eliminate risk of bottles self-dispensing. Thermo Scientific



- Bottles are made from high quality Nalgene materials for low extractables and long life in the lab
- Printed with 100 % Globally Harmonized System (GHS) chemical safety information. No other system markings are used on the bottles, which eliminates confusion
- Color coded for easy chemical identification at a glance
- Dispensing nozzles are carefully molded to deliver a straight stream for precision dispensing and safety
- Self-venting, so idle bottles won't drip on the bench top
- Designed to dispense through the top with a closure and stem molded in one piece for uniform leakproof service

Capacity ml	Print	Material	Cover type	PK	Cat. No.
500	Ethanol	LDPE, natural	PP, white	6	6.269 400
500	Methanol	LDPE, natural	PP, green	6	6.269 401
500	Isopropanol	LDPE, natural	PP, yellow	6	6.269 402
500	Distilled Water	LDPE, natural	PP, natural	6	6.269 403
500	Sodium Hypochlorite	LDPE, white	HDPE, white	6	6.269 404
500	Deionized Water	LDPE, natural	PP, natural	6	6.269 405

## Vessels/Spray, dropping bottles



### 1 VITsafe™ safety wash bottles, wide-mouth, PP/LDPE

LDPE or PP Bottles, PP spray tube. Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information: Material name in German, English, French and Spanish, Chemical formula, CAS No., hazard pictogram, signal word, Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the VENT-CAP screw cap, the design of which prevents almost all static overpressure.

VITLAB

Capacity ml	Print	Colour Cover	Neck thread GL	Material	PK	Cat. No.
250	Acetone	red	45	PP	1	9.223 375
500	Acetone	red	45	PP	1	9.223 381
1000	Acetone	red	63	PP	1	9.223 390
500	Acetonitrile	red	45	LDPE	1	6.235 042
250	Distilled water	blue	45	LDPE	1	9.223 370
500	Distilled Water	blue	45	LDPE	1	9.223 376
1000	Distilled water	red	63	LDPE	1	9.223 385
250	Ethanol	orange	45	LDPE	1	9.223 374
500	Ethanol	orange	45	LDPE	1	9.223 380
1000	Ethanol	red	63	LDPE	1	9.223 389
250	Ethyl acetate	red	45	LDPE	1	9.223 373
500	Ethyl acetate	red	45	LDPE	1	9.223 379
1000	Ethyl acetate	red	63	LDPE	1	9.223 388
250	Isopropanol	yellow	45	LDPE	1	9.223 372
500	Isopropanol	yellow	45	LDPE	1	9.223 378
500	i-Hexane	red	45	LDPE	1	9.223 391
500	Heptane	red	45	LDPE	1	9.223 392
1000	Isopropanol	red	63	LDPE	1	9.223 387
250	Methanol	green	45	LDPE	1	9.223 371
500	Methanol	green	45	LDPE	1	9.223 377
1000	Methanol	red	63	LDPE	1	9.223 386
500	Methylethylchloride	transparent	45	LDPE	1	6.225 506
500	Methylethylketone (MEK)	red	45	PP	1	9.223 384
500	N,N-Dimethylformamide	red	45	LDPE	1	6.225 507
500	Pentane	red	45	LDPE	1	9.223 397
500	Tetrahydrofuran (THF)	red	45	LDPE	1	9.223 393
500	Toluene	red	45	LDPE	1	9.223 394
500	Xylol	red	45	LDPE	1	9.223 395



### 2 VITsafe™ Safety wash bottles, narrow neck, PP/LDPE

Bottles made from LDPE, spray tube from PP. Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information: Material name in German, English, French and Spanish, Chemical formula, CAS No., hazard pictogram, signal word, Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the VENT-CAP screw cap, the design of which prevents almost all static overpressure.

VITLAB

Capacity ml	Print	Colour Cover	Material	Neck thread GL	PK	Cat. No.
250	Acetone	red	PP	25	1	9.223 345
500	Acetone	red	PP	25	1	9.223 351
1000	Acetone	red	PP	32	1	9.223 360
500	Acetonitrile	red	LDPE	25	1	7.058 640
250	Distilled water	blue	LDPE	25	1	9.223 340
500	Distilled water	blue	LDPE	25	1	9.223 346
1000	Distilled water	red	LDPE	32	1	9.223 355
250	Ethanol	orange	LDPE	25	1	9.223 344
500	Ethanol	orange	LDPE	25	1	9.223 350
1000	Ethanol	red	LDPE	32	1	9.223 359
250	Ethyl acetate	red	LDPE	25	1	9.223 343
500	Ethyl acetate	red	LDPE	25	1	9.223 349
1000	Ethyl acetate	red	LDPE	32	1	9.223 358
500	Acetic acid	red	LDPE	25	1	7.079 737
250	Isopropanol	yellow	LDPE	25	1	9.223 342
500	Isopropanol	yellow	LDPE	25	1	9.223 348
1000	Isopropanol	red	LDPE	32	1	9.223 357
250	Methanol	green	LDPE	25	1	9.223 341
500	Methanol	green	LDPE	25	1	9.223 347
1000	Methanol	red	LDPE	32	1	9.223 356
500	Methylene chloride	transparent	LDPE	25	1	7.078 722
500	Methylethylketone (MEK)	red	PP	25	1	9.223 354
500	N, N-Dimethylformamide	red	LDPE	25	1	6.401 458
500	Xylene	red	LDPE	25	1	7.087 939
500	i-Hexane	red	LDPE	25	1	7.009 310
500	Heptane	red	LDPE	25	1	6.073 505
500	Tetrahydrofuran (THF)	red	LDPE	25	1	7.087 940
500	Toluene	red	LDPE	25	1	7.087 938
500	Pentane	red	LDPE	25	1	6.242 784



# 1. General laboratory consumables

## Vessels/Spray, dropping bottles

### 1 Dropping bottles, pipette bottles, soda-lime glass

Amber or Clear. Soda-lime glass, NS 14/15. With interchangeable ground joint transparent pipette. Hydrolytical class 3. Complete with rubber teat.

DWK Life Sciences

Colour	Description	Capacity ml	Height mm	PK	Cat. No.
clear	Dropping bottles	50	79	1	9.072 646
clear	Dropping bottles	100	105	1	9.072 648
amber	Dropping bottles	50	79	1	9.072 656
amber	Dropping bottles	100	105	1	9.072 658
clear	Replacement pipette	50		1	7.021 595
clear	Replacement pipette	100		1	7.021 596



### 2 Dropper bottles, HDPE

Natural. Highly suitable for adhesives and other liquids that can be finely dispensed.

Kautex

**HDPE combination closure with screw-on dropping tip (Cat. No. 9.073 313). Please order separately.**

Capacity ml	Diam. mm	PK	Cat. No.
10	24.0	1	9.073 310
25	31.3	1	9.073 311
50	40.0	1	9.073 312



### 3 Cap for dropping bottles, HDPE

For bottles 9.073 310 to 9.037 312 series.

Kautex

Type	PK	Cat. No.
Cap for dropping bottles	1	9.073 313



### 4 Spray bottles with pump vapouriser

Spray bottles (HDPE) with pump vapouriser (PP, stainless steel) and safety cap for the pump. Liquids can be finely vapourised at the push of a button in an environmentally compatible way. The transparent bottles make identification of contents easy. The protective cover prevents unintentional pressing of the pump and acts as a dust cover.

Bürkle

Capacity ml	Height with closure mm	Diam. mm	PK	Cat. No.
20	85	28	1	6.254 292
50	110	35	1	6.801 696
100	161	37	1	6.300 066
250	222	50	1	6.300 067



### 5 Spray bottles LaboPlast®, PE/PP

Chemical resistant to a large extend. Trigger-action spray pump with continuously adjustable spray nozzle.

Bürkle

- Parts in contact with media made of PP, PE and stainless steel
- Nozzle diameter 0.6mm; nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2 ml ±0.1 ml

Capacity ml	Ext. diam. mm	Neck diam. int. mm	Height mm	Weight g	PK	Cat. No.
250	60	18.0	220	54	1	9.223 152
500	75	18.0	240	79	1	9.223 155
1000	98	17.5	295	111	1	9.223 160



## Vessels/Spray, dropping bottles

**1**


### 1 Spare spray head for spray bottles LaboPlast®

*Bürkle*

For	Colour	PK	Cat. No.
250 ml (9.223 152)	white	1	<b>6.224 916</b>
500 ml (9.223 155)	white	1	<b>6.802 505</b>
1000 ml (9.223 160)	white	1	<b>6.079 701</b>

**2**


### 2 3 Spray bottle Turn'n'Spray with overhead valve, PE/PP

*Bürkle*

Spraying upwards overhead is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can't spray any more. Not so with our overhead spray bottle, Turn'n'Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any angle and reach hard-to-access places easily and without straining. The high-quality, refillable spray bottle can be used again and again.

- Uninterrupted spraying, even upside down
- Parts in contact with media made of PP, PE, silicon and stainless steel
- Nozzle diameter 0.6mm; nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2 ml ± 0.1 ml

**3**


Capacity	Neck diam.	Height	Weight	PK	Cat. No.
ml	mm	int. with closure	g		
250	18.0	220	18	1	<b>6.252 153</b>
500	18.0	240	18	1	<b>6.252 154</b>
1000	17.5	295	17	1	<b>6.252 166</b>

**4**


### 4 Pressure atomizer LaboPlast®, HDPE

*Bürkle*

The pressure sprayer is ideal to spray a wide range of liquids uniformly. The pressurised spray has a working pressure of 4 bar. Extension for spray lance 30 cm available as accessory.

- Wetted parts PE, PP, glass-fibre reinforced PA, V2A, FKM
- Bottle made of HDPE
- With short spray nozzle
- Left-handed and right-handed pistol control
- Adjustable spray jet
- Graduation up to 1500 ml
- Temperature max. 30 °C

Capacity	Ext. diam.	Neck diam.	Height	Weight	PK	Cat. No.
ml	mm	mm	mm	g		
1500	142	45	315	475	1	<b>9.223 162</b>

**5**


### 5 Pressure sprayer Turn'n'Spray

*Bürkle*

The pressure sprayer is ideal to spray a wide range of liquids uniformly. The practical 360° spray function allows you to spray overhead. The adjustable spray jet, with a nozzle diameter of 0.8 mm, can be adjusted from a fine spray mist to a powerful jet. Extension for spray lance 30 cm available as accessory.

- Wetted parts HDPE, PP, FKM, V4A
- Plastic container made of HDPE
- Safety valve to compensate overpressure, max. 4 bar

Type	Nominal capacity	PK	Cat. No.
	ml		
Turn'n'Spray	1500	1	<b>4.670 813</b>

# 1. General laboratory consumables

## Vessels/Spray, dropping bottles

### 1 Spray bottles

White or transparent bottles. Sprayer insert with stable, smooth pump trigger and adjustable spray nozzle, which can be regulated from the finest mist (nebulising) to a precise liquid jet. Range: approx. 3-4 meters. Ideal for spraying detergents or disinfectants, especially into difficultly accessible areas, as well as applications in thin layer chromatography.

VITLAB

Capacity ml	Colour	Material	PK	Cat. No.
400	white	PP	1	7.008 989
850	white	PP	1	7.008 990
1000	transparent	PP	1	7.659 025
1000	transparent with imprint "Ethanol"	LDPE	1	6.281 023



### 2 Pressure sprayer Food

**NEW**

Bürkle



For spraying various media, such as oils, fats or flavourings. The adjustable spray jet, with a nozzle diameter of 0.8 mm, can be adjusted from a fine spray mist to a powerful jet.

- Wetted parts HDPE, PP, VMQ, V2A
- Plastic container made of HDPE
- Safety valve to compensate overpressure, max. 3 bar
- Transparent viewing window for easy reading of the filling level
- Rubberised stand ring
- Food-safe

Type	Nominal capacity ml	PK	Cat. No.
Food	1200	1	4.670 814



### 3 Spray bottles, PET

Manufactured from transparent PET with a spray head. All media contacting parts perfectly resists to most solvents and chemicals. Liquids can be finely vaporised with the pull of the hand pump trigger. Safety lock at the trigger prevents accidental use.

ISOLAB

Capacity ml	PK	Cat. No.
250	1	6.286 661
500	1	6.286 662



## Vessels/Funnels



### 1 LLG-Funnel, borosilicate glass 3.3

With short stem. Cone angle of 60°. Standard borosilicate funnels with excellent heat resistance. All funnels have a cone angle of 60° and therefore offer an optimum fit for all filter sizes. Autoclavable.

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Overall length mm	PK	Cat. No.
40	6	55 - 70	70	1	9.251 200
60	8	70 - 90	100	1	9.251 201
80	8	125 - 150	140	1	9.251 202
100*	10	150 - 185	180	1	9.251 203
125*	16	185 - 240	210	1	9.251 204
150*	16	240 - 270	250	1	9.251 205

\* according to DIN ISO 4798



### 2 Funnels, DURAN®

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

DWK Life Sciences

Diam. mm	For filter paper diam. mm	Height mm	DIN	PK	Cat. No.
35	45 - 55	60	4798	1	9.251 123
45	55 - 70	80		1	9.251 128
55	70 - 90	95	4798	1	9.251 133
70	110 - 125	125		1	9.251 138
80	125 - 150	140		1	9.251 141
100	150 - 185	180	4798	1	9.251 146
120	185 - 240	210		1	9.251 023
150	240 - 270	265	4798	1	9.251 157
180	270 - 320	290		1	9.251 036
200	320 - 385	325		1	9.251 161
300	500	409		1	9.251 169



### 3 Analytical funnels, DURAN®

For rapid filtration. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DWK Life Sciences

Funnel diam. mm	For filter paper diam. mm	Height mm	PK	Cat. No.
65	70 to 90	200	1	9.251 237
80	110 to 125	210	1	9.251 241
110	150 to 185	265	1	9.251 248



### 4 LLG-Funnels, PP



Made of clear, virgin polypropylene, autoclavable at 121 °C and 1.1 bar for 30 minutes.

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Stem length mm	PK	Cat. No.
40	6	55 - 70	40	10	9.251 185
60	8	70 - 90	60	10	9.251 186
80	8	125 - 150	80	10	9.251 187
100	10	150 - 185	100	10	9.251 188
120	16	185 - 240	120	10	9.251 189
150	16	240 - 270	150	10	9.251 190

➔ For Filter paper, please have a look at page 699.

# 1. General laboratory consumables

## Vessels/Funnels

### 1 LLG-Fast filtration funnels with internal ribs, PP



Clear, virgin polypropylene, autoclavable at 121 °C and 1.1 bar for 30 minutes. The external ribs prevent airlock and back pressure. The internal helicoidal rib prevents filter papers from sticking and increases filtration speed.

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Stem length mm	PK	Cat. No.
40	6	55 - 70	40	10	9.251 191
60	8	70 - 90	60	10	9.251 192
80	8	125 - 150	80	10	9.251 193
80	9	125 - 150	150	10	9.251 197
100	10	150 - 185	100	10	9.251 194
120	16	185 - 240	120	10	9.251 195
150	16	240 - 270	150	10	9.251 196



### 2 Funnel HDPE

Nature colours.

Hünersdorff

Funnel diam. mm	Diam. of the filler mm	PK	Cat. No.
50	3	1	9.073 464
60	8	1	9.073 465
80	11	1	9.073 466
100	12	1	9.073 467
120	12	1	9.073 468
164	17	1	9.073 469
208	20	1	9.073 470

9.073 470 with stainless steel mesh, 50 mm dia.



### 3 Funnels, PP



VITLAB

Transparent. Rapid flow due to a steep 60° angle. Practical handle with loop for hanging. Food-safe product according to regulation (EU) No. 10/2011.

Funnel diam. mm	Shaft int. diam. mm	Length* mm	Height mm	PK	Cat. No.
30	2	25	45	1	9.251 602
30	4	25	47	1	9.251 605
40	4	35	65	1	9.251 610
50	7	43	85	1	9.251 615
75	7	55	108	1	9.251 620
100	8	77	155	1	9.251 625
120	11	90	180	1	9.251 630
150	15	95	220	1	9.251 635

\* Stem length (mm)



### Barrel funnels, PP/HDPE



VITLAB

Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging. Suitable for filling large amounts of liquids. Cat. No. 9.251 640, 9.251 645 and 9.251 650 are food-safe products according to regulation (EU) No. 10/2011.

Sieve for 9251 640 and 9251 645 available (not approved as a food-safe article). Please order separately.

Funnel diam. mm	Stem diam. mm	Length* mm	Height mm	Material	PK	Cat. No.
200	22	90	200	PP	1	9.251 640
250	30	100	260	PP	1	9.251 645
350	35	170	440	PP	1	9.251 650
400	42	150	365	HDPE	1	9.251 655
430	37	420	420	HDPE	1	9.251 660

\* Stem length (mm)



9.251 640



9.251 655



## Vessels/Funnels

**1**

**1 Sieve filter for barrel funnels**

For 9.251 640 and 9.251 645.

Type	Diam. mm	PK	Cat. No.
Sieve filter	50	1	9.251 665

**2**

**2 Funnels, stainless steel Remanit® 4301**

With filling vent and handle.

RSG

Funnel diam. mm	Height mm	PK	Cat. No.
50*	65	1	4.664 420
80	105	1	6.274 315
100	125	1	4.661 801
120	140	1	9.251 213
150	180	1	4.661 836
200	210	1	4.661 835
240	270	1	4.661 834

\* without handle and vent

**3**

**3 Powder funnels, DURAN®**

With short, wide stem.

Funnel diam. mm	Stem diam. mm	Height mm	PK	Cat. No.
55	20	60	1	6.901 149
70	22	72	1	7.021 151
80	24	79	1	7.021 152
100	26	94	1	7.021 153
120	34	105	1	9.251 323
160	35	140	1	9.251 332
200	40	170	1	9.251 338

**4**

**4 Powder funnels with NS cone, DURAN® tubing**

Solid addition funnels (angle: 60°), with NS cone, made of DURAN® tubing.

Lenz

Funnel diam. mm	NS	PK	Cat. No.
45	14 / 23	1	9.251 340
55	19 / 26	1	9.251 341
70	24 / 29	1	9.251 342
80	29 / 32	1	9.251 343

**5**

**5 Powder funnels with NS-cone, borosilicate glass 3.3**

With short stem and NS cone.

ISOLAB

Funnel diam. mm	Stem diam. mm	NS	PK	Cat. No.
60	13	14/23	1	4.008 433
80	17	19/26	1	4.008 434
100	22	24/29	1	4.008 435
120	26	29/32	1	4.008 436

# 1. General laboratory consumables

## Vessels/Funnels

### 1 2 Powder funnels, PP



Transparent. With short, wide stem. For transfer of powdered and granular substances. Rapid flow due to a steep 60° angle. Food-safe product according to regulation (EU) No. 10/2011.

Funnel diam. mm	Stem diam. mm	Height mm	PK	Cat. No.
60	15	57	1	7.019 920
65 *	15	70	1	9.251 720
80	15	80	1	7.059 654
80 *	21	75	1	9.251 725
100	25	89	1	6.303 859
100*	24	92	1	9.251 730
120*	27	105	1	9.251 735
150	36	142	1	6.262 104
150	28	138	1	9.251 740
180	43	166	1	9.251 741

\* with practical tab for hanging



### 3 Powder funnels, PP



Transparent. For transfer of powdered substances.

Funnel diam. mm	PK	Cat. No.
65	10	6.313 446
80	10	4.678 046
100	10	4.678 047
120	10	4.678 048
150	10	4.678 049



### 4 Powder funnels with NS-cone, PP

VITLAB



Transparent. For multi-neck flasks, laterally flattened, suitable for standard joint necks of various sizes. Suitable for the filling of liquid or powdered reagents into a reaction flask, particularly multi-neck flasks, during a reaction. Food-safe product according to regulation (EU) No. 10/2011.

Funnel diam. mm	Height mm	Joint size (NS)	PK	Cat. No.
40	75	14 / 23	1	9.251 814
50	95	19 / 26	1	9.251 819
75	135	29 / 32	1	9.251 829



### 5 LLG-Funnel holder, PP

Manufactured from best quality polypropylene. Suitable to hold all types of laboratory funnels with diameters up to 150 mm. Two tapered wedges are provided to ensure firm grip on rods having diameters of 10-13 mm.

To hold funnels piece	PK	Cat. No.
1	1	9.251 558



## Vessels/Funnels



### 1 LLG-Funnel holder, stainless steel, with or without boss head

These funnel holders are suitable to hold all types of funnels with a diameter up to 150 mm. They can also accommodate separating funnels (up to 1000 ml). With or without boss head.

Description	Diam. mm	PK	Cat. No.
without bosshead	40	1	9.251 550
without bosshead	60	1	9.251 551
without bosshead	80	1	9.251 552
without bosshead	100	1	9.251 553
with bosshead	40	1	9.251 554
with bosshead	60	1	9.251 555
with bosshead	80	1	9.251 556
with bosshead	100	1	9.251 557

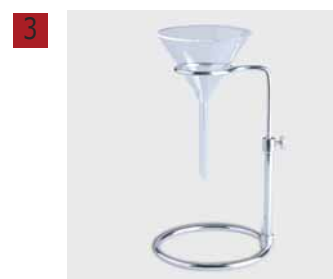


### 2 Funnel holders, PP

Polypropylene. Single or double holder for funnels from 25 mm (with adapter supplied) up to 170mm diameter. Without adapter they can be used for powder funnels with stem diameters not exceeding 35 mm. Two clamp adapters are provided for use with rods from 8 mm to 14 mm.

Kartell

To hold funnels piece	PK	Cat. No.
1	1	9.251 561
2	1	9.251 560



### 3 Funnel holder, chromated steel

Adjustable height 140 to 230 mm. Inner diameter upper ring: 45 mm. Outer diameter bottom ring: 126 mm.

ISOLAB

Description	PK	Cat. No.
Funnel holder	1	4.008 510



### 4 Filter funnel stands

PP holder mounted on a stand with 12.7 x 595 mm aluminium rod and heavy cast base plate. Choice of stands to hold 2 or 4 funnels with a top diameter of 50 to 120 mm. The holder height is adjustable.

BRAND

To hold funnels piece	Width mm	Length mm	PK	Cat. No.
2	140	250	1	9.069 982
4	140	450	1	9.069 984



9.069 924

### 5 Funnel stands LaboPlast®, PP

White, unbreakable, chemically resistant. For 2 or 4 funnels. Robust, heavy base provides 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.

Bürkle

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

To hold funnels piece	Width mm	Depth mm	Height mm	PK	Cat. No.
2	140	300	480	1	9.069 922
4	150	550	500	1	9.069 924

# 1. General laboratory consumables

## Vessels/Cylinders-Dishes

### Gas jars, DURAN®



DWK Life Sciences

DURAN®. With base. Rim flanged and surface-ground or rim roughly ground. Autoclavable.

Description	Capacity ml	Diam. mm	Height mm	PK	Cat. No.
Rim flanged, surface-ground	80	40	100	1	9.318 107
Rim flanged, surface-ground	190	40	200	1	9.318 134
Rim flanged, surface-ground	390	40	400	1	9.318 168
Rim flanged, surface-ground	440	60	200	1	9.318 136
Rim flanged, surface-ground	550	60	250	1	9.318 146
Rim roughly ground	180	40	200	1	9.318 034
Rim roughly ground	220	50	150	1	9.318 021
Rim roughly ground	280	40	300	1	9.318 052
Rim roughly ground	380	40	400	1	9.318 068
Rim roughly ground	420	60	200	1	9.318 036
Rim roughly ground	450	50	300	1	9.318 053
Rim roughly ground	530	60	250	1	9.318 046
Rim roughly ground	770	50	500	1	9.318 080
Rim roughly ground	1250	65	450	1	9.318 077
Rim roughly ground	1650	80	400	1	9.318 074



9.318 107



9.318 034

### 3 Glass cylinders with knob lid, DURAN®

DURAN®. With knob lid and polished rim.

DWK Life Sciences

Diam. mm	Height mm	PK	Cat. No.
80	80	1	9.318 201
100	100	1	9.318 203
120	120	1	9.318 205
150	150	1	9.318 210
210	210	1	9.318 221
260	260	1	9.318 232



### 4 Watch glasses, Soda-lime glass

To DIN 12341. Ground edges. Hydrolytical class 3.

Diam. mm	PK	Cat. No.
200	1	9.263 020
250	1	9.263 025
40	10	9.263 030
50	10	9.263 031
60	10	9.263 032
70	10	9.263 033
80	10	9.263 034
90	10	9.263 035
100	10	9.263 036
110	10	9.263 037
120	10	9.263 039
125	10	9.263 038
150	10	9.263 040



### 5 Watch glasses, DURAN®



DWK Life Sciences

DURAN®, DIN 12341. Flame-polished edges. Autoclavable.

Diam. mm	PK	Cat. No.
40	1	9.263 424
50	1	9.263 432
60	1	9.263 434
80	1	9.263 441
100	1	9.263 446
125	1	9.263 452
150	1	9.263 457
200	1	9.263 461
250	1	9.263 466



## Vessels/Dishes



### 1 Watch glasses, PP



Kartell

With base. Resistant to steam sterilisation (121 °C). Autoclavable.

Diam. mm	PK	Cat. No.
60.0	1	9.263 526
80.0	1	9.263 528
100.0	1	9.263 530
118.5	1	9.263 532



### 2 Evaporating dishes, DURAN®

DURAN®. DIN 12336. Flat-bottom with spout. Autoclavable.

DWK Life Sciences

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
15	50	25	1	9.000 032
45	60	30	1	9.000 034
60	70	35	1	9.000 038
90	80	45	1	9.000 041
170	95	55	1	9.000 044
320	115	65	1	9.000 049
600	140	80	1	9.000 054
1500	190	100	1	9.000 059
2500	230	130	1	9.000 063

Suitable accessories can be found in our online shop.



### 3 Evaporating basins, Quartz glass

Transparent silica (Quartz glass). In accordance with DIN 12336. Flat-bottom with spout.

proQuarz

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
10	40	18	1	9.000 110
15	50	25	1	9.000 111
45	60	30	1	9.000 112
60	70	35	1	9.000 113
90	80	45	1	9.000 114
170	95	55	1	9.000 115
320	115	65	1	9.000 116
600	140	80	1	7.400 417
45*	60	30	1	6.283 464

\* without spout.



### 4 5 LLG-Crystallising dishes, borosilicate glass

Crystallising dishes with or without spout. DIN 12337/12338. Autoclavable.

Description	Capacity ml	Diam. mm	Height mm	DIN	PK	Cat. No.
without spout	20	40	25	12337	1	7.616 800
without spout	40	50	30	12337	1	6.228 031
without spout	60	60	35	12337	1	6.236 596
without spout	100	70	40	12337	1	6.233 757
without spout	150	80	45	12337	1	6.227 688
without spout	300	95	55	12337	1	6.205 104
without spout	500	115	65	12337	1	6.205 105
without spout	900	140	75	12337	1	6.236 597
without spout	2000	190	90	12337	1	6.236 598
without spout	3500	230	100	12337	1	6.236 599
with spout	20	40	25	12338	1	6.226 043
with spout	40	50	30	12338	1	7.616 171
with spout	60	60	35	12338	1	6.227 922
with spout	100	70	40	12338	1	6.228 387
with spout	150	80	45	12338	1	6.225 256
with spout	300	95	55	12338	1	6.803 567
with spout	500	115	65	12338	1	6.223 298
with spout	900	140	75	12338	1	6.206 856
with spout	2000	190	90	12338	1	6.803 371
with spout	3500	230	100	12338	1	6.231 072





### 1 Crystallising dishes, DURAN®

DURAN®. To DIN 12338. With spout. Dishes with capacity of 100 ml and above have labelling patch. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DWK Life Sciences

Description	Capacity ml	Diam. mm	Height mm	DIN	PK	Cat. No.
with spout	20	40	25	12338	1	9.144 024
with spout	40	50	30	12338	1	9.144 032
with spout	60	60	35	12338	1	9.144 034
with spout	100	70	40	12338	1	9.144 038
with spout	150	80	45	12338	1	9.144 041
with spout	300	95	55	12338	1	9.144 044
with spout	500	115	65	12338	1	9.144 049
with spout	900	140	75	12338	1	9.144 054
with spout	2000	190	90	12338	1	9.144 059
with spout	3500	230	100	12338	1	9.144 063



### 2 LLG-Crystallising dishes, stainless steel

Alternative to borosilicate glass dishes for similar applications. Manufactured from seamless and robust stainless steel.

Capacity ml	Depth mm	Width mm	PK	Cat. No.
100	70	35	1	6.267 379
150	85	45	1	6.267 380
400	110	55	1	6.267 381



### 3 LLG-Porcelain evaporating dishes with spout, flat bottom, shallow form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	DIN	PK	Cat. No.
10	50	10	12903	1	9.115 301
20	60	14	12903	1	9.115 302
28	75	15		1	9.115 305
55	80	20	12903	1	9.115 303
110	100	25	12903	1	6.231 540
250	130	30	12903	1	9.115 304
450	160	40		1	9.115 306
1100	200	55		1	9.115 307
1750	250	55		1	9.115 308



### 4 Evaporating basins, porcelain, shallow form

Glazed inside and outside except for rim.

Haldenwanger

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
5*	40	9	1	9.000 204
10*	50	11	1	9.000 205
20*	63	13	1	9.000 206
40*	80	20	1	9.000 208
80*	100	22	1	9.000 210
270*	125	27	1	9.000 212
450	160	35	1	9.000 216
1100	190	55	1	9.000 220
1750	240	65	1	9.000 225
2500	300	60	1	9.000 230

\*According to DIN standard



### 5 LLG-Porcelain evaporating dishes with spout, round bottom, medium form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	DIN	PK	Cat. No.
10	40	16	12903	1	9.115 310
20	50	20	12903	1	9.115 311
30	63	25	12903	1	6.239 177
41	72	26		1	9.000 150
60	80	32	12903	1	9.115 312
62	83	27		1	9.000 151
110	96	30		1	9.000 152
150	100	40	12903	1	9.115 313
240	127	42		1	9.000 153
285	125	50	12903	1	9.115 314
420	154	50		1	6.232 525
558	170	55		1	9.000 154
700	170	74	12903	1	9.115 315
1000	200	80	12903	1	9.115 316



## Vessels/Dishes



### 1 LLG-Porcelain evaporating dishes with spout, flat bottom, medium form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
22	54	22	1	7.970 673
62	70	30	1	6.268 802
93	86	33	1	6.251 474
154	98	40	1	6.253 566
265	112	50	1	6.262 379
330	126	53	1	6.257 949
450	145	55	1	6.269 244
620	151	63	1	6.257 950
800	169	68	1	6.269 245
1200	195	74	1	6.241 820
3000	254	105	1	7.971 013



### 2 Evaporating basins, porcelain, with spout, round bottom, medium form

Round bottom with spout. DIN 12903. 10 to 310 ml sizes are completely glazed inside and out. 640 to 3400 ml sizes are glazed with the exception of the outer base.

*Haldenwanger*

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
10	40	16	1	9.000 304
20	50	20	1	9.000 305
40	63	25	1	9.000 306
75	80	34	1	9.000 308
95*	85	35	1	6.006 036
115	100	40	1	9.000 310
310	115	47	1	9.000 312
640	160	64	1	9.000 316
1000	200	80	1	9.000 320
2200	260	86	1	9.000 325
3400	310	110	1	9.000 330

\* without DIN.



### 3 LLG-Evaporating basins, stainless steel

Manufactured from stainless steel as round bottom. A perfect product for heating and evaporating liquids. Can be used with direct flame in order to prevent breakage.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
50	60	30	1	6.267 376
130	80	40	1	6.267 377
250	100	50	1	6.267 378



### 4 Evaporating basins, 18/10 steel

18/10 steel. Cylindrical.

*Bochem*

Description	Capacity ml	Diam. mm	Height mm	PK	Cat. No.
Tall	125	75	35	1	9.000 460
Tall	250	85	50	1	9.000 461
Tall	500	110	55	1	9.000 462
Tall	1000	140	75	1	9.000 463
Tall	2000	160	105	1	9.000 464
Tall	5000	200	160	1	9.000 465
Shallow	50	60	20	1	9.000 470
Shallow	75	70	20	1	9.000 471
Shallow	100	80	20	1	9.000 472



### 5 LLG-Porcelain casserole with handle

Glazed.

Capacity ml	Diam. mm	Height mm	DIN	PK	Cat. No.
22	45	26	12907	1	7.656 131
84	67	39	12907	1	9.252 512
176	85	49	12907	1	9.252 513
270	101	51	12907	1	9.252 514
450	120	64	12907	1	9.252 515
960	150	86		1	9.252 516

### 1 Porcelain Crucible

To DIN 12907. Glazed inside and outside except for rim.

Haldenwanger

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
80	63	36	1	9.140 113
140	80	46	1	9.140 114
290	102	58	1	9.140 115
500	127	70	1	9.140 116
1300	160	97	1	9.140 118
2600	215	110	1	9.140 119

Capacity brimful. Dimensions may vary by up to 4%.



### 2 Bowls, PP



VITLAB

Round, white with broad, stable edge and circumferential standing ring on the bottom.  
Food-safe product according to regulation (EU) No. 10/2011.

Nominal capacity l	Ext. diam. mm	Height mm	PK	Cat. No.
0.9	160	70	1	9.301 216
1.7	200	80	1	9.301 220
2.9	240	100	1	9.301 224
4.3	280	120	1	9.301 228
6.6	320	130	1	9.301 232
9.2	360	150	1	9.301 236
13.4	400	180	1	9.301 240



### 3 Laboratory-bowls, 18/10 steel

With flanged rim. Polished finish.

Bochem

Capacity ml	Int. diam. mm	Height mm	PK	Cat. No.
1000	165	75	1	9.200 518
2000	220	75	1	9.200 524
3000	240	95	1	9.200 526
4500	260	120	1	9.200 529
8000	320	145	1	9.200 536
11000	380	135	1	9.200 541
14000	400	160	1	7.605 523



### 4 Instrument trays, melamine resin

White, melamine resin. Autoclavable (121 °C)

Width mm	Depth mm	Height mm	PK	Cat. No.
190	150	20	1	7.608 352
240	180	20	1	9.200 324
270	210	20	1	9.200 327
300	150	20	1	9.200 328
300	190	20	1	7.055 383
360	240	20	1	9.200 335
430	290	20	1	9.200 345



### 5 Instrument boxes, melamine resin

Melamine resin. Base section is autoclavable (121 °C).

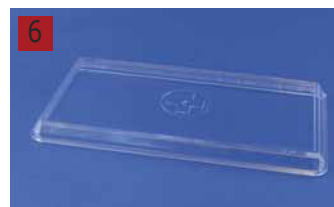
**Please order lid separately.**

Width mm	Depth mm	Height mm	PK	Cat. No.
110	210	30	1	9.200 177
150	190	40	1	9.200 170
160	290	30	1	9.200 165
160	290	60	1	9.200 160
240	350	40	1	9.200 155
250	350	100	1	9.200 150



### 6 Lids, PS, for instrument boxes

For	PK	Cat. No.
9.200 177	1	9.200 181
9.200 170	1	9.200 182
9.200 165 and 9.200 160	1	9.200 183
9.200 155 and 9.200 150	1	9.200 184



## Vessels/Dishes



### 1 Trays and bowls, PS

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

Kartell

Width mm	Depth mm	Height mm	Internal dimensions (W x D x H) mm	PK	Cat. No.
201	151	21	170 x 110 x 10	1	6.233 344
303	151	21	270 x 120 x 10	1	6.225 141
353	252	21	320 x 220 x 10	1	6.224 952
254	254	21	220 x 220 x 10	1	6.206 152
201	151	41	150 x 100 x 30	1	6.224 986
303	151	42	260 x 110 x 30	1	6.225 054
353	253	41	310 x 210 x 30	1	6.225 055
252	252	42	210 x 210 x 30	1	6.231 216
202	151	81	140 x 90 x 70	1	6.228 312
303	151	81	240 x 90 x 70	1	6.228 313
352	252	81	290 x 190 x 70	1	6.227 810
252	252	82	200 x 200 x 70	1	7.631 628
408	300	21	380 x 270 x 10	1	6.205 063
409	300	42	360 x 250 x 30	1	6.224 951
408	299	81	340 x 240 x 70	1	6.227 811



### 2 Trays, stainless steel

With rounded corners.

Usbeck

Width mm	Depth mm	Height mm	PK	Cat. No.
180	120	10	1	6.273 236
300	200	15	1	6.290 283
400	270	10	1	6.273 238



### 3 Trays, stainless steel

Remanit® 4301. With edge rim.

RSG

Width mm	Depth mm	Height mm	PK	Cat. No.
110	170	20	1	9.150 722
120	200	20	1	9.150 723
140	220	28	1	9.150 724
180	240	30	1	9.150 726
180	260	30	1	9.150 727
180	280	30	1	9.150 728
210	310	40	1	9.150 729
250	350	40	1	9.150 730
280	420	50	1	9.150 732
340	520	50	1	9.150 733



### 4 Instrument boxes, stainless steel 18/10

Stainless steel 18/10. Satin finish. With knob lid.

Width mm	Depth mm	Height mm	PK	Cat. No.
80	120	40	1	9.200 412
100	160	30	1	9.200 416
100	200	50	1	9.200 420
150	260	50	1	9.200 426
200	300	50	1	9.200 430
180	280	60	1	9.200 428
200	400	80	1	9.200 440
300	500	100	1	9.200 450



### 5 Instrument boxes, glass

Glass. With vertical walls and polished rims.

With or without stainless steel lid. Dimensions stated are nominal.

Width mm	Depth mm	Height mm	Lid	PK	Cat. No.
60	120	40	without	1	9.200 014
90	170	45	without	1	9.200 017
100	200	50	without	1	9.200 020
100	200	100	without	1	9.200 037
150	220	55	without	1	9.200 022
150	275	60	without	1	9.200 028
220	350	70	without	1	9.200 035
60	120	40	with	1	9.200 114
90	170	45	with	1	9.200 117
100	200	50	with	1	9.200 120
100	200	100	with	1	9.200 137
150	220	55	with	1	9.200 122
150	280	60	with	1	9.200 128
220	350	70	with	1	9.200 135

### 1 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.

Internal dimensions mm	Width mm	Depth mm	Height mm	PK	Cat. No.
130 x 180	230	180	42	1	9.200 203
180 x 240	310	250	65	1	9.200 204
240 x 300	370	310	75	1	9.200 205
300 x 400	520	420	120	1	9.200 206
400 x 500	634	534	140	1	9.200 207
500 x 700	846	648	160	1	9.200 208

Bürkle



### 2 Tray, PP

For multi purpose use. Durable and resist to bending, with strong rounded rim. Stackable for space solving solutions, polished surface for easy cleaning. Resistant to many acids and alkaline solutions, can be used with foods.

Width mm	Depth mm	Height mm	PK	Cat. No.
127	183	50	1	6.267 362
180	255	60	1	6.267 363
245	355	70	1	6.267 364

ISOLAB



### 3 Photographic trays LaboPlast®, PVC, shallow form with ribs on bottom, profile shape rounded

Temperature resistant from -30 up to max. +60 °C. Trays in red or black available on request.

Base	Depth mm	Width mm	Height mm	Colour	PK	Cat. No.
140 x 190	180	230	40	white	1	9.200 220
190 x 260	240	320	50	white	1	9.200 225
260 x 320	320	370	50	white	1	9.200 232
310 x 410	370	470	60	white	1	6.076 851
420 x 510	480	580	60	white	1	7.606 129
510 x 610	590	680	70	white	1	6.235 838
140 x 190	180	230	40	red	1	6.075 030
190 x 260	240	320	50	red	1	6.050 768
260 x 320	320	370	50	red	1	6.076 823
420 x 510	480	580	60	red	1	6.085 427
510 x 610	590	680	70	red	1	6.224 327
190 x 260	240	320	50	black	1	6.079 733
260 x 320	320	370	50	black	1	6.076 824

Bürkle



### 4 Photographic trays LaboPlast®, PVC, shallow form without ribs on bottom, profile shape rounded

Temperature resistant from -30 up to max. +60 °C. Trays in red or black available on request.

Base	Depth mm	Width mm	Height mm	Colour	PK	Cat. No.
110 x 160	150	200	30	white	1	9.200 269
140 x 190	180	230	40	white	1	9.200 270
190 x 260	240	320	50	white	1	9.200 275
260 x 320	320	370	50	white	1	9.200 282
310 x 410	370	470	60	white	1	6.076 676
420 x 510	480	580	60	white	1	7.200 152
510 x 610	590	680	70	white	1	7.300 202
110 x 160	150	200	30	red	1	6.070 291
140 x 190	180	230	40	red	1	6.056 853
190 x 260	240	320	50	red	1	6.200 336
260 x 320	320	370	50	red	1	6.055 292
310 x 410	370	470	60	red	1	6.200 335
510 x 610	590	680	70	red	1	7.980 112
110 x 160	150	200	30	black	1	6.070 141
140 x 190	180	230	40	black	1	6.076 753
190 x 260	240	320	50	black	1	6.076 518
260 x 320	320	370	50	black	1	6.058 845
310 x 410	370	470	60	black	1	6.054 452
510 x 610	590	680	70	black	1	7.980 111

Bürkle





## Vessels/Dishes

**1**

**1**

### Photographic trays LaboPlast®, PVC, deep form without ribs on bottom

Temperature resistant from -30 up to max. +60 °C.  
Trays in red or black available on request.

*Bürkle*

Base	Depth mm	Width mm	Height mm	Colour	Form	PK	Cat. No.
190 x 260	260	340	85	white	rounded	1	6.078 868
260 x 320	330	390	100	white	rounded	1	6.055 129
310 x 410	430	530	105	white	straight	1	9.200 283
420 x 510	520	610	110	white	straight	1	9.200 292
510 x 610	630	730	110	white	straight	1	9.200 297
190 x 260	260	340	85	red	rounded	1	6.084 736
260 x 320	330	390	100	red	rounded	1	6.300 788
310 x 410	430	530	105	red	straight	1	6.056 984
420 x 510	520	610	110	red	straight	1	6.302 652
510 x 610	630	730	110	red	straight	1	7.604 058
310 x 410	430	530	105	black	straight	1	6.079 789
420 x 510	520	610	110	black	straight	1	6.090 279
510 x 610	630	730	110	black	straight	1	6.057 044

**2**

**2**

### Photographic trays, PVC

PVC. With ribbed base. Stackable.

*Kartell*

Width mm	Depth mm	Height mm	PK	Cat. No.
150	200	45	1	9.200 372
200	250	60	1	9.200 373
260	320	70	1	9.200 374
300	350	80	1	9.200 375
330	430	90	1	9.200 376
420	520	90	1	9.200 377
530	675	100	1	9.200 378
420	540	180	1	9.200 379

**3**

**3**

### Photographic trays, 18/10 steel

18/10 steel. With rounded edges.

Width mm	Depth mm	Height mm	PK	Cat. No.
140	190	50	1	9.200 700
180	250	60	1	9.200 701
190	260	50	1	9.200 702
260	320	60	1	9.200 703
240	350	70	1	9.200 704
270	400	80	1	9.200 705
330	500	100	1	9.200 706

**4**

**4**

### Tidy trays, PVC

PVC. With compartments. For use as drawer trays or bench tidy trays.

*Kartell*

Width mm	Depth mm	Height mm	Compartment- no.	PK	Cat. No.
304	404	64	5	1	9.200 370
303	403	63	12	1	9.200 380





# 1. General laboratory consumables

## Vessels/Crucibles

### 1 LLG-Porcelain crucibles, low, DIN 12904

To DIN 12904. Glazed.

Form	Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
Low form	63	60	38	1	9.250 905
Low form	91	70	44	1	9.250 906
Low form	5	30	19	5	9.250 950
Low form	10	35	22	5	9.250 951
Low form	17	40	25	5	9.250 952
Low form	21	45	28	5	9.250 953
Low form	34	50	32	5	9.250 954

1



### 2 LLG-Porcelain crucibles, medium, DIN 12904

To DIN 12904. Glazed.

Form	Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
Medium	10*	30	25	1	9.250 907
Medium	120	70	56	1	9.250 915
Medium	200*	80	62	1	9.250 916
Medium	12	35	28	5	9.250 960
Medium	20	40	32	5	9.250 961
Medium	30	45	36	5	9.250 962
Medium	45	50	40	5	9.250 963
Medium	80	60	48	5	9.250 964

\* Not to DIN

2



### 3 LLG-Porcelain crucibles, tall, DIN 12904

To DIN 12904. Glazed.

Form	Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
Tall form	15	30	38	1	9.250 920
Tall form	26	35	44	1	9.250 921
Tall form	35	40	50	1	9.250 922
Tall form	50	45	56	1	9.250 923
Tall form	72	50	62	1	9.250 924
Tall form	130	60	75	1	9.250 925

3



### 4 Porcelain lids for LLG-Crucibles, DIN 12904

Glazed.

Lid diam. mm	Crucible diam. mm	DIN	PK	Cat. No.
84	80	12904	1	9.250 937
34	30	12904	5	9.250 980
39	35	12904	5	9.250 981
44	40	12904	5	9.250 982
49	45	12904	5	9.250 983
54	50	12904	5	9.250 984
64	60	12904	5	9.250 985
74	70	12904	5	9.250 986

4



### 5 LLG-Crucibles, stainless steel

Temperature resistant up to 500 °C.

Ext. diam. mm	Height mm	PK	Cat. No.
40	35	1	6.267 382
50	45	1	6.267 383
63	50	1	6.267 384

5



➔ Filter crucibles please see page 745.

## Vessels/Crucibles



### 1 Crucibles, porcelain, low form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
8	30	20	1	9.250 030
11	35	23	1	9.250 035
20	40	26	1	9.250 040
25	45	29	1	9.250 045
40*	50	32	1	9.250 050
65	60	38	1	9.250 060
95	70	47	1	9.250 070

\* Conradson crucible in accordance with ASTM D 189-65



### 2 Crucibles, porcelain, medium form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
10*	30	25	1	9.250 130
13	35	28	1	9.250 135
20	40	32	1	9.250 140
38	45	36	1	9.250 145
49	50	40	1	9.250 150
90	60	50	1	9.250 160
150	70	60	1	9.250 170
230*	82	65	1	9.250 180

\* Not to DIN.



### 3 Crucibles, porcelain, tall form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Top diam. mm	Height mm	PK	Cat. No.
11	26	34	1	9.250 225
15	30	38	1	9.250 230
24	35	44	1	9.250 235
40	40	51	1	9.250 240
50	46	58	1	9.250 245
85	51	65	1	9.250 250
140	60	79	1	9.250 260



### 4 Lids for porcelain crucibles, DIN 12904

Haldenwanger

Lid diam. mm	Crucible diam. mm	PK	Cat. No.
28	20	1	6.005 993
33	26	1	9.250 306
37	30	1	9.250 308
45	35	1	9.250 310
49	40	1	9.250 313
54	46	1	9.250 314
64	52	1	9.250 316
76	70	1	9.250 319
89	83	1	9.250 327



### 5 Crucibles, AlSiN, wide form

Conical. For use up to approx. 1700 °C.  
Al<sub>2</sub>O<sub>3</sub> content 99.7 %.

Haldenwanger

Capacity ml	Top diam. mm	Bottom diam. mm	Height mm	PK	Cat. No.
10	30	14	24	1	9.250 389
25	41	18	37	1	9.250 390
40	48	20	41	1	9.250 391
60	54	24	50	1	9.250 392
80	60	26	50	1	9.250 393
100	66	30	56	1	9.250 394

### 1 Crucibles, Alsint, tall form

Conical. Max. 1700 °C.  
Al<sub>2</sub>O<sub>3</sub> 99.7 %.

Haldenwanger

Capacity	Top diam.	Bottom diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
10	25	15	30	1	9.250 399
15	30	18	38	1	9.250 400
20	33	18	40	1	9.250 401
30	38	21	47	1	9.250 402
45	42	25	54	1	9.250 403
80	50	27	65	1	9.250 404
150	62	32	75	1	9.250 405
250	73	35	90	1	9.250 406
350	85	35	100	1	9.250 407
500	90	47	115	1	9.250 408
750	105	54	130	1	9.250 409
1200	120	62	150	1	9.250 410



### 2 Lids for alsint crucibles

Haldenwanger

Lid diam.	For Ø Crucible	PK	Cat. No.
mm	mm		
28	20	1	6.241 895
33	30	1	6.801 239
37	33	1	7.602 538
45	38 - 41	1	6.304 147
49	42	1	6.900 118
54	48 + 50	1	6.236 618
64	54 + 60	1	7.970 090
70	62 - 66	1	7.620 719
76	73	1	6.231 115
89	85	1	6.253 443



### 3 Crucibles, quartz glass, medium form

Transparent silica (Quartz glass). Medium form.

proQuarz

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
15	35	28	1	6.268 880
20	40	32	1	9.250 340
38	45	36	1	6.057 366
49	50	40	1	9.250 350
90	60	48	1	9.250 351
150	70	56	1	7.602 706



### 4 Crucibles, quartz glass, tall form

proQuarz

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
15	30	38	1	7.910 136
24	35	44	1	6.059 920
40	40	50	1	7.510 775
50	45	56	1	6.079 464
75	50	62	1	6.302 989
120	60	75	1	6.070 661



### 5 LLG-Porcelain incinerating dishes

Form	Capacity	Ext. diam.	Height	Spout	PK	Cat. No.
	ml	mm	mm			
deep	64	60	30	with	1	6.241 972
deep	64	60	30	without	1	6.242 424
low	70	81	20	without	1	7.654 046
deep	103	70	35	without	1	7.654 045



## Vessels/Crucibles



### 1 Incinerating dishes, porcelain, flat form

Without spout. Glazed except for base exterior.

Haldenwanger

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
8	37	10	1	9.115 036
10	42	11	1	9.115 041
15	48	12	1	9.115 045



### 2 Incinerating dishes, porcelain, cylindrical form

Deep. Without spout. Glazed, except for base exterior.

Haldenwanger

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
15	40	21	1	9.115 140
30	50	25	1	9.115 150
60	60	31	1	9.115 160



### 3 Incinerating dishes, porcelain, rectangular

With vertical side walls. Glazed, except for base exterior.

Haldenwanger

Capacity	Length	Width	Height	PK	Cat. No.
ml	mm	mm	mm		
10	48	26	10	1	9.115 245
15	55	42	16	1	6.005 795
20	70	46	13	1	9.115 265
55	96	55	16	1	9.115 295



### 4 LLG-Porcelain incinerating boats, with loop handle

Unglazed.

Width	Depth	Height	PK	Cat. No.
mm	mm	mm		
12	40	10	1	9.250 943
13	75	8	1	9.250 940
13	85	8	1	9.250 942
13	90	8	1	6.243 229
14	105	9	1	9.250 941



### 5 Incinerating boats, porcelain, with loop handle

Glazed porcelain.

Haldenwanger

Width	Depth	Height	PK	Cat. No.
mm	mm	mm		
13	85	8	1	9.201 590
13	102	10	1	9.201 596



### 6 Magnesia trays

Width	Depth	PK	Cat. No.
mm	mm		
9	100	100	9.152 109



### 7 Magnesia rods

For flame tests.

Type	PK	Cat. No.
Magnesia rods	100	9.152 125

# 1. General laboratory consumables

## Vessels/Crucibles-Tools/Spoons, Spatulas

### 1 Crucibles, nickel

99.6 % nickel. Wall thickness 0.5 - 2 mm.

Bochem

Please order lid separately.

Capacity ml	Ext. diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
5	20	25	0.5	1	7.200 365
10	25	30	0.5	1	6.802 851
15	30	30	0.5	1	6.076 692
25	35	35	0.5	1	6.072 219
30	40	40	0.5	1	6.070 535
50	45	45	0.5	1	6.077 737
70	50	50	0.5	1	6.076 940
130	60	60	0.5	1	6.200 970
270	80	80	0.5	1	6.078 395
15	30	30	1.0	1	9.250 630
25	35	35	1.0	1	9.250 635
30	40	40	1.0	1	9.250 640
50	45	45	1.0	1	6.070 079
70	50	50	1.0	1	9.250 650
130	60	60	1.0	1	6.070 318
270	80	80	1.0	1	6.222 402



### 2 Lids for Crucibles, nickel

Bochem

For Crucibles	Ext. diam. mm	PK	Cat. No.
5 ml	20	1	7.200 426
10 ml	25	1	6.401 549
15 ml	30	1	9.250 660
25 ml	35	1	9.250 665
30 ml	40	1	9.250 670
50 ml	45	1	7.620 609
60 ml	60	1	6.225 682
70 ml	50	1	9.250 680
270 ml	80	1	6.801 880



➔ Note: Platinum Crucibles available on request.

### 3 Pharmacist's spoon, stainless steel

Remanit® 4301. Polished. Slim form. Length 150 mm.

RSG

Dimensions Spoon (L x W) mm	Length mm	PK	Cat. No.
30 x 16	150	1	9.150 060



### 4 Laboratory spoon, stainless steel 18/10

Bochem

Dimensions Spoon (L x W) mm	Length mm	PK	Cat. No.
45 x 31	135	1	9.150 213
55 x 38	180	1	9.150 218
60 x 45	195	1	9.150 221
85 x 70	280	1	9.150 226



### 5 Reagent spoons, double-ended, 18/10 steel

18/10 steel. Double ended.

Bochem

Dimensions Spoon (L x W) mm	Length mm	PK	Cat. No.
30 x 22 - 23 x 17	120	1	9.150 012
30 x 22 - 23 x 17	150	1	9.150 015
40 x 29 - 30 x 22	180	1	9.150 018
40 x 29 - 30 x 22	210	1	9.150 021
48 x 29 - 40 x 29	250	1	9.150 025
48 x 35 - 40 x 29	300	1	9.150 030



## Tools/Spoons, Spatulas

**1**


### 1 Deflagrating spoon

Steel. Cup 16 mm dia. Shaft 450 mm.

*Usbeck*

Type	PK	Cat. No.
Deflagrating spoon	1	9.150 610

**2**


### 2 Ladle scoops, flat handle, 18/10 steel

*Bochem*

Capacity ml	Diam. mm	Length mm	PK	Cat. No.
90	70	185	1	9.150 665
200	90	315	1	9.150 685
220	100	315	1	9.150 700
620	140	345	1	9.150 703
1000	160	350	1	9.150 704
1400	180	350	1	9.150 705

**3**


### 3 LLG-Spoon spatulas, 18/10 steel, wide form

18/10 steel. Wide form.

Dimensions Spoon (L x W) mm	Dimensions Spatulas (L x W) mm	Length mm	PK	Cat. No.
31 x 23	30 x 20	120	1	4.008 445
38 x 27	32 x 22	150	1	9.150 810
40 x 30	35 x 25	180	1	9.150 811
40 x 30	35 x 25	210	1	9.150 812
50 x 38	45 x 32	250	1	4.008 446
55 x 45	50 x 40	300	1	4.008 447

**4**


### 4 LLG-Spoon spatulas, 18/10 steel

- One side with curved spoon
- One side with straight, triangular spatula

For	Dimensions Spoon (L x W) mm	Dimensions Spatulas (L x W) mm	Overall length mm	PK	Cat. No.
Right hander	35 x 15	25 x 13	150	1	9.150 800
Right hander	35 x 15	25 x 13	180	1	9.150 801
Right hander	35 x 15	25 x 13	210	1	9.150 802
Right hander	35 x 15	25 x 13	250	1	9.150 073
Right hander	35 x 15	25 x 13	300	1	9.150 074
Left hander	35 x 15	25 x 13	150	1	9.150 080
Left hander	35 x 15	25 x 13	180	1	9.150 081
Left hander	35 x 15	25 x 13	210	1	9.150 082

**5**


6.076 904

### Spoon spatulas, 18/10 stainless steel

Double-ended.

*Bochem*

Length mm	Type	Diam. mm	Dimensions Spatulas (L x W) mm	PK	Cat. No.
130	Micro	2	10 x 5	1	6.076 904
185	Micro	2	10 x 5	1	6.077 556
210	Micro	2	12 x 5	1	6.083 942
180	Standard	3	25 x 8	1	6.077 925
210	Standard	4	25 x 12	1	6.078 270
230	Standard	4	25 x 12	1	6.057 293
325	Analyse	4	25 x 18	1	6.900 814

**6**


### 6 Spatulas, 18/10 steel, narrow form

Non-magnetic 18/10 steel. With one spoon end and one flat end.

*Bochem*

Dimensions Spoon (L x W) mm	Dimensions Spatulas (L x W) mm	Length mm	PK	Cat. No.
30 x 22	35 x 10	120	1	9.220 470
30 x 22	40 x 10	150	1	9.220 471
40 x 29	50 x 12	180	1	9.220 472
40 x 29	50 x 12	210	1	9.220 473
48 x 35	70 x 14	250	1	9.220 474
48 x 35	70 x 14	300	1	9.220 475



### 1 Spoon spatulas, deep form

18/10 steel. Deep form.

Bochem

Length mm	Dimensions Spoon (L x W) mm	Dimensions Spatulas (L x W) mm	PK	Cat. No.
120	31 x 23	30 x 20	1	9.150 312
150	38 x 27	32 x 22	1	9.150 315
180	40 x 28	32 x 22	1	9.150 318
210	40 x 28	32 x 22	1	9.150 321
250	50 x 35	45 x 32	1	9.150 325
300	55 x 41	50 x 37	1	9.150 330

1



### 2 Spoon spatulas, stainless steel

Remanit® 4301. Polished. With one open spoon and one tapered flat end.  
Length 200 mm.

RSG

Length mm	PK	Cat. No.
200	1	9.150 050

2



### 3 Spoon spatulas, Remanit® 4301

Polished. Stem 5 mm diameter. Spoon 15 x 35 mm.

RSG

Length mm	For	PK	Cat. No.
150	Right handed user	1	9.150 070
180	Right handed user	1	9.150 071
210	Right handed user	1	9.150 072

3



### 4 Spoon spatulas, porcelain

Glazed.

Haldenwanger

Dimensions Spoon (L x W) mm	Dimensions Spatulas (L x W) mm	Length mm	PK	Cat. No.
36 x 11	33 x 10	121	1	9.220 812
45 x 20	42 x 21	170	1	9.220 816
54 x 30	48 x 25	210	1	9.220 820
131 x 42	56 x 39	305	1	9.220 830

4



### 5 Powder spoon, 18/10-steel

18/10 steel. Narrow form.

Bochem

Dimensions Spoon (L x W) mm	Length mm	PK	Cat. No.
40 x 10	170	1	9.150 620

5



### 6 Micro spoon spatulas, 18/10 steel

With one flat end and one micro spoon end

Bochem

Length mm	Dimensions Spoon (L x W) mm	PK	Cat. No.
150	9 x 5	1	9.150 565
180	9 x 5	1	6.076 279
150	7 x 5	1	7.200 220
150	6 x 4	1	6.076 691
150	5 x 3	1	6.060 324
200	9 x 5	1	9.150 570
150	9 x 5	1	6.077 689
151	9 x 5	1	6.401 212

6



## Tools/Spoons, Spatulas

**1**


9.220 313

### Micro Spatulas, 18/10 steel

*Bochem*

Description	Width mm	Length mm	PK	Cat. No.
One-sided, round, bent	5	130	1	9.220 313
One-sided, round, bent	5	185	1	9.220 318
One-sided, round, bent	5	210	1	9.220 321
One-sided, round, bent	8	180	1	6.801 774
One-sided, round, bent	12	210	1	6.205 584
Double-sided, round, bent	5	130	1	9.220 363
Double-sided, round, bent	5	185	1	9.220 368
Double-sided, round, bent	5	210	1	9.220 371
Double-sided, round, bent	7	150	1	6.077 825
Double-sided, round, bent	7	200	1	6.077 767
Double-sided, round, bent	7	250	1	6.078 290
Double-sided, round, bent	7	180	1	6.077 179
Double-sided, round, bent	12	210	1	6.307 145

**2**


9.220 363

**3**


### 3 Micro double-ended spatulas, 18/10 steel

Stainless steel with one end having a flat spatula and the other end having a flat spatula with rounded edges.

*Bochem*

Spatula width mm	Length mm	PK	Cat. No.
2	100	1	6.076 838
2	130	1	6.053 239
2	150	1	6.060 303
3	100	1	9.220 210
3	130	1	9.220 213
3	150	1	6.070 797
4	100	1	6.072 631
4	130	1	6.060 304
4	150	1	6.076 543
4	185	1	6.075 892
5	100	1	6.060 305
5	130	1	9.220 216
5	150	1	9.220 215
5	185	1	9.220 218
5	210	1	9.220 221
6	150	1	6.070 485
6	185	1	6.075 894
6	210	1	6.077 279
9	150	1	7.980 952
9	185	1	6.072 130
9	210	1	6.701 453

**4**


### 4 Micro spoons

With wire end. For right-handers.

*Hammacher*

Length mm	PK	Cat. No.
180	1	6.312 443

**5**


### 5 Micro spoon spatulas, 18/10 steel

Excellent grade polished stainless steel with one end having a flat spatula and the other end having a micro spoon.

*ISOLAB*

Length mm	PK	Cat. No.
150	1	9.150 820
180	1	4.008 451
210	1	6.267 816

**6**


### 6 Micro powder spatula, stainless steel

Remanit® 4301. Polished. Very flexible.

*RSG*

Width mm	Length mm	PK	Cat. No.
3	150	1	6.239 195
3	210	1	9.220 205
4	130	1	9.220 206
4	150	1	9.220 207
4	185	1	9.220 208
5	150	1	6.231 957
6	130	1	9.220 201
6	150	1	9.220 202
6	185	1	9.220 203
6	210	1	9.220 204
7	150	1	6.226 081

# 1. General laboratory consumables

## Tools/Spoons, Spatulas

### 1 2 Double-ended spatulas, 18/10 steel

18/10 steel. With one end having a flat spatula and the other end having a flat spatula with rounded edges.

Bochem

Type	Spatula width mm	Length mm	PK	Cat. No.
Straight	9	130	1	9.220 013
Straight	9	150	1	9.220 015
Straight	9	185	1	9.220 018
Straight	11	210	1	9.220 021
Straight	11	250	1	9.220 025
Straight	16	300	1	9.220 030
Straight	16	350	1	6.073 375
Straight	16	400	1	6.051 013
Straight	20	500	1	6.072 630
Bent	9	130	1	9.220 113
Bent	9	150	1	9.220 115
Bent	9	185	1	9.220 118
Bent	11	210	1	9.220 121
Bent	11	250	1	9.220 125
Bent	16	300	1	9.220 130



### 3 Double ended spatulas, 18/10 steel

18/10 steel. Narrow form.

ISOLAB

Type	Length mm	PK	Cat. No.
straight	130	1	4.008 454
straight	155	1	4.008 455
straight	180	1	4.008 456
straight	210	1	4.008 457
straight	255	1	4.008 458
straight	300	1	4.008 459
curved	150	1	6.267 385
curved	180	1	6.267 386
curved	210	1	6.267 387



### 4 Double ended spatulas chattaway, 18/10 steel

Polished stainless steel with one end flat and the other with a bent flat end.

ISOLAB

Spatula width mm	Length mm	PK	Cat. No.
9	100	1	4.008 452
9	130	1	4.008 453
9	150	1	9.150 815
9	180	1	9.150 816
9	210	1	9.150 817



### 5 Spatulas, round grooved, 18/10 steel

Polished, round grooved.

ISOLAB

Length mm	Spatula width mm	PK	Cat. No.
150	9	1	4.008 448
185	9	1	4.008 449
210	9	1	4.008 450



### 6 Spatula with knob, 18/10 steel

Drop-forged 18/10 steel. With one flat end and one knob end.

Bochem

Width mm	Length mm	Length Flat end mm	PK	Cat. No.
9	150	60	1	9.220 415
11	210	70	1	9.220 421
16	300	75	1	9.220 430



### 7 Vibro spatula

Teflon-coated vibration scoop with acid-proof plastic handle. Extra thin working part for fine dosing.

Hammacher

Length mm	PK	Cat. No.
220	1	6.265 732



## Tools/Spoons, Spatulas


**1**

### 1 Pharmacist's spatula

Stainless steel 4310. With durofol handle. Flexible blade.

Blade width mm	Blade length mm	Length mm	PK	Cat. No.
14	75	165	1	9.220 490
18	100	190	1	9.220 491
20	130	230	1	9.220 492
22	150	250	1	9.220 493
32	200	310	1	9.220 495


**2**

### 2 Spatulas with wooden handle, stainless steel

Flexible, long blade as outlined below.

*Bochem*

Blade width mm	Blade length mm	Length mm	PK	Cat. No.
14	75	165	1	9.220 607
18	100	190	1	9.220 610
20	130	230	1	9.220 613
22	150	250	1	9.220 615
27	165	275	1	9.220 616
32	200	310	1	9.220 620
38	250	365	1	9.220 625
42	300	415	1	9.220 630


**3**

### 3 Spatula/section lifter, 18/10 steel

18/10 steel. With wooden handle. Short, flexible blade.

*Bochem*

Blade width mm	Blade length mm	Length mm	PK	Cat. No.
10	50	150	1	9.220 510
15	50	150	1	9.220 515


**4**

### 4 Sampling spoon, PP

*Bel-Art Products*


Length 178 mm. Long handle reaches easily into jars, bottles and other confined areas; minimizes the potential of personal contact with sampled material. Safe for food, drug and cosmetic contact. Autoclavable.

Capacity ml	Width mm	PK	Cat. No.
1.25	20	1	9.150 643
2.46	25	1	9.150 644
4.93	30	1	9.150 645
14.79	40	1	9.150 646


**5**

### 5 Disposable spoons LaboPlast®/SteriPlast®, PS

*Bürkle*


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

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

Type	Sterile	Capacity ml	Length mm	PK	Cat. No.
LaboPlast®	-	2.5	127	100	6.265 033
LaboPlast®	-	10	170	100	6.265 034
SteriPlast®	+	2.5	127	100	6.265 045
SteriPlast®	+	10	170	100	6.265 046

# 1. General laboratory consumables

## Tools/Spoons, Spatulas

### 1 Disposable spoons LaboPlast® Bio/SteriPlast® Bio, Green PE



Bürkle



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

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

Type	Sterile	Capacity ml	Length mm	PK	Cat. No.
LaboPlast® Bio	-	2.5	127	100	6.265 059
LaboPlast® Bio	-	10	170	100	6.265 060
SteriPlast® Bio	+	2.5	127	100	6.265 053
SteriPlast® Bio	+	10	170	100	6.265 054

### 2 Disposable spoons for foodstuffs SteriPlast®, PS



Bürkle



Blue. The spoon for foodstuffs is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates, pastes and fluids. The shade of blue that is used does not occur in a natural form in foodstuffs. Because of this, the spoons or parts of them can be quickly found and easily identified in a visual check if they are ever mixed into production. The detectable spoons have a special additive in the material that makes them visible to metal detectors or X rays. They can therefore be rejected with standard systems for checking for foreign objects, even though they are made of plastic.

- Individually packed, gamma-sterilized
- Production, assembly and packaging according to clean room class 7 (10000)
- According to EU food and FDA guidelines

Description	Capacity ml	Length mm	PK	Cat. No.
visual identification	2.5	127	100	6.284 560
visual identification	10	170	100	6.284 561
detectable	2.5	127	100	6.284 571
detectable	10	170	100	6.284 572

### 3 Disposable dosing spoon, PS



Bürkle



White. With the dosing spoons, small quantities of powders, granulates and liquids can be precisely measured and dosed. Excess medium is wiped off at the top edge of the spoon for precise measurement. The volume is stamped on the handle. Dosing spoon set with 8 spoons (0.5/1.0/2.5/5.0/10/15/25 und 50 ml)

- With wiping edge
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

Type	Nominal capacity ml	Sterile	PK	Cat. No.
Disposable dosing spoon	0.5	-	100	4.670 771
Disposable dosing spoon	0.5	+	100	4.670 772
Disposable dosing spoon	1.0	-	100	4.670 773
Disposable dosing spoon	1.0	+	100	4.670 774
Disposable dosing spoon	2.5	-	100	4.670 775
Disposable dosing spoon	2.5	+	100	4.670 776
Disposable dosing spoon	5.0	-	100	4.670 777
Disposable dosing spoon	5.0	+	100	4.670 778
Disposable dosing spoon	10.0	-	100	4.670 779
Disposable dosing spoon	10.0	+	100	4.670 780
Disposable dosing spoon	15.0	-	100	4.670 781
Disposable dosing spoon	15.0	+	100	4.670 782
Disposable dosing spoon	25.0	-	100	4.670 783
Disposable dosing spoon	25.0	+	100	4.670 784
Disposable dosing spoon	50.0	-	100	4.670 785
Disposable dosing spoon	50.0	+	100	4.670 786
Dosing spoon set *		-	1	4.670 787

\* Reusable/not for cleanrooms

## Tools/Spoons, Spatulas

**1**

**1**

### Disposable measuring spoon, PS and disposable measuring spoon, PS, detectable

Bürkle



Blue. With the measuring spoons, small quantities of powders, granulates and liquids can be precisely measured and dosed. Excess medium is wiped off at the top edge of the spoon for precise measurement. The volume is stamped on the handle. The flat bottom allows the measuring spoon to be placed without spilling the contents. The blue products, or parts of them, can be quickly found and easily identified in a visual check, if they are ever mixed into production. Measuring spoon set with 8 spoons (0.5/1.0/2.5/5.0/10/15/25 und 50 ml).

Disposable measuring spoon, detectable: In addition to the blue colour, these products have a special additive in the material that makes them visible to metal detectors or X rays. They can therefore be rejected with standard systems for checking for foreign objects.

- With wiping edge
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

Type	Nominal capacity ml	Sterile	PK	Cat. No.
Disposable measuring spoon	0.5	-	100	4.670 788
Disposable measuring spoon	0.5	+	100	4.670 789
Disposable measuring spoon	1.0	-	100	4.670 790
Disposable measuring spoon	1.0	+	100	4.670 791
Disposable measuring spoon	2.5	-	100	4.670 792
Disposable measuring spoon	2.5	+	100	4.670 793
Disposable measuring spoon	5.0	-	100	4.670 794
Disposable measuring spoon	5.0	+	100	4.670 795
Disposable measuring spoon	10.0	-	100	4.670 796
Disposable measuring spoon	10.0	+	100	4.670 797
Disposable measuring spoon	15.0	-	100	4.670 798
Disposable measuring spoon	15.0	+	100	4.670 799
Disposable measuring spoon	25.0	-	100	4.670 800
Disposable measuring spoon	25.0	+	100	4.670 801
Disposable measuring spoon	50.0	-	100	4.670 802
Disposable measuring spoon	50.0	+	100	4.670 803
Disposable measuring spoon, detectable	0.5	+	100	4.670 805
Disposable measuring spoon, detectable	1.0	+	100	4.670 806
Disposable measuring spoon, detectable	2.5	+	100	4.670 807
Disposable measuring spoon, detectable	5.0	+	100	4.670 808
Disposable measuring spoon, detectable	10.0	+	100	4.670 809
Disposable measuring spoon, detectable	15.0	+	100	4.670 810
Disposable measuring spoon, detectable	25.0	+	100	4.670 811
Disposable measuring spoon, detectable	50.0	+	100	4.670 812
Measuring spoon set *		-	1	4.670 804

\* Reusable/not for cleanrooms

**2**

**2**

### LLG-Macro Spoon Spatula, PP



Consists of a spoon on one side which allows easy transfer of sample, while the other end is a flat construction with a knife edge which can be used to draw salt or breaking crystals.

Length mm	Colour	PK	Cat. No.
150	blue	25	4.664 539
180	blue	25	4.664 540
210	blue	25	4.664 541





# 1. General laboratory consumables

## Tools/Spoons, Spatulas

### 1 Disposable spoon spatula LaboPlast®/SteriPlast®, PS



Bürkle

White. The spoon spatula is a double spatula with a 0.5 ml spoon and a 17 mm spoon blade. The spoon spatula has many different uses in labs, as a sampling spoon, for measuring or transferring small amounts, as a scraper or for mixing and stirring. Specially designed for disposable use, resistant to chemicals and corrosion-proof.

- SteriPlast®: Individually packed, additionally gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Sterile	Length mm	PK	Cat. No.
LaboPlast®	-	178	100	6.284 543
SteriPlast®	+	178	100	6.284 544



### 2 Disposable double scoop spatula LaboPlast®/SteriPlast®, PS



Bürkle

White. Double scoop spatula with rounded ends. Content 1.0 and 0.25 ml, spatula width 11 mm on one side and 5.7 on the other side. The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids. The sturdy and convenient centre handle facilitates precise work.

- SteriPlast®: Individually packed, additionally gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Sterile	Length mm	PK	Cat. No.
LaboPlast®	-	180	100	6.284 545
SteriPlast®	+	180	100	6.284 546



### 3 Spatulas, PS

Impact resistant polystyrol. Available as double-ended flat spatula or one end flat and the other with spoon.

BRAND

Type	Length mm	PK	Cat. No.
Double-ended	150	1	9.220 850
Double-ended	180	1	9.220 851
With spoon	180	1	9.220 852
With spoon	210	1	9.220 853



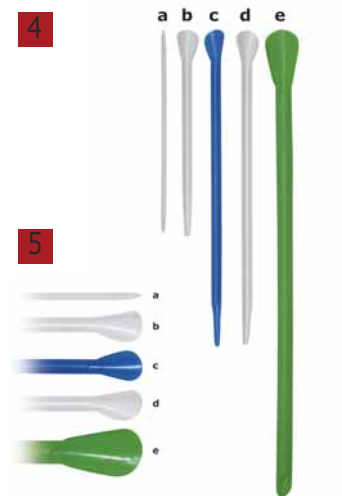
### 4 5 Powder spatula smartSPATULAS®, PP



Heathrow Scientific

Single use polypropylene lab tools reduce costly contamination errors.

- Size related designs to fit perfectly with standard 0.2, 1.5/2.0, 15 and 50 mL tubes
- Ideal for dispensing or sample collection of powders or soft solids
- Shatter-resistant in liquid nitrogen, resistant to diluted acids and bases, and can be used with hot liquids
- Anti-static, sterile and Eco-friendly versions available
- Autoclavable and complies with FDA standards for food contact



For tubes ml	Description	Colour	Diam. mm	Length mm	Figure	PK	Cat. No.
0.2	Micro Antistatic	Natural	3.5	140	a	300	6.256 896
15/1.5/2.0	Eco	Natural	7.0	140	b	300	6.256 894
15/1.5/2.0	Standard	Blue	7.0	210	c	300	6.256 893
15/1.5/2.0	Standard	Natural	7.0	210	d	300	6.256 895
15/1.5/2.0	Standard sterile	Natural	7.0	210	d	100	6.256 898
50	Macro	Green	1.0	310	e	150	6.256 897

## Tools/Spoons, Spatulas



### 1 Glass fiber spatulas, nylon

Kartell



Glass fibre nylon. Made according to DIN 12890. Excellent chemical resistance. Scraper plus spoon or double scraper configuration. Suitable for use in food and beverage industry. Autoclavable. Suitable for food-safe. (NSF/ANSI STANDARD 51).

Length mm	Type	PK	Cat. No.
150	Flat ends	1	<b>6.223 119</b>
180	Flat ends	1	<b>7.200 745</b>
180	Spoon ends	1	<b>7.605 126</b>
210	Spoon ends	1	<b>7.630 978</b>



### 2 Tongue depressors, wooden

Wooden.

Length mm	PK	Cat. No.
150	100	<b>9.165 101</b>



### 3 Laboratory spatula, PC

Polycarbonate, crystal clear.

Width mm	Length mm	Weight g	PK	Cat. No.
20	145	18	1	<b>9.220 841</b>



### 4 Disposable scraper LaboPlast®/SteriPlast®, PS

Bürkle



White. The sturdy and convenient scrapers are suitable for scraping off, smoothing or cleaning as well as removing residue.

- SteriPlast®: Individually packaged, additionally gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Width mm	Length mm	Sterile	PK	Cat. No.
LaboPlast®	80	200	-	10	<b>6.284 547</b>
SteriPlast®	80	200	+	10	<b>6.284 548</b>



### 5 Disposable scraper for foodstuffs SteriPlast®, PS

Bürkle



Blue. Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue. The shade of blue that is used does not occur in a natural form in foodstuffs. Because of this, the scrapers or parts of them can be quickly found and easily identified in a visual check if they are ever mixed into production. The detectable scrapers have a special additive in the material that makes them visible to metal detectors or X rays. They can therefore be rejected with standard systems for checking for foreign objects, even though they are made of plastic.

- Individually packaged, gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guideline

Description	Width mm	Length mm	PK	Cat. No.
visual identification	80	200	10	<b>6.284 562</b>
detectable	80	200	10	<b>6.284 573</b>

# 1. General laboratory consumables

## Tools/Spoons, Spatulas

### 1 Chemist's small instrument set, 5 pieces

- 1 x micro-powder-spatula, flexible, 150 mm long
- 1 x spatula, double-ended, flexible, 150 mm long
- 1 pair of scissors, sharp/sharp, straight, 140 mm
- 1 x spoon spatula, 150 mm, 32 x 22 mm (blade L x W)
- 1 pair of thumb forceps, simple type, 130 mm long

Hammacher

Type	PK	Cat. No.
HSO 125-00	1	9.160 004

1



### 2 Chemist's large instrument set, 9-piece

- Large, 9-piece set, containing:
- Micro-spatula, double ended, flexible, 130 mm long
- Micro-spoon spatula, spoon 5 x 7 mm, 150 mm long
- Micro-powder spatula, double ended, flexible, 185 mm long
- Weighing scoop, 10 x 40 mm W x L, 170 mm long

- Scissors, straight, serrated, 170 mm long
- Poly-spoon, 180 mm long
- Spatula, double ended, non-flexible, 185 mm long
- Spatula, wide type, both ends round, 150 mm long
- Forceps, sharp, simple type, 160 mm

Hammacher

Type	PK	Cat. No.
HSO 126-00	1	9.160 010

2



### 3 Chemist's large instrument set, 13-pieces

- In zipper case, instruments attached with loops.
- Containing:
- 2 Micro-double spatula, flexible, 150 mm
- Spoon spatula, 150 mm
- Micro-spatula, 150 mm, spoon 5 x 7 mm
- Weighing spatula, 170 mm
- Micro-powder spatula, flexible, 150 mm
- Dissecting needle with plastic handle, 140 mm
- Pharmacist spoon, 150 mm
- Splinter forceps, curved, 105 mm
- Forceps, anatomical, 145 mm
- Forceps, pointed, 105 mm
- Scissors, pointed/pointed, 145 mm
- Microscope scissors, 115 mm

Hammacher

Type	PK	Cat. No.
HSO 131-00	1	6.312 441

**NEW**

3



### 4 Spatula set, 14-pieces

- In zipper case, spatula attached with loops.
- Containing:
- 2 Spoon spatula, 150 mm, 180 mm
- 3 Micro-spatula, spoon 5 x 7 mm, 100, 150, 185 mm
- 3 Double spatula, rigid, 130, 150, 185 mm
- Micro-powder spatula, flexible, 150 mm
- Pharmacist spoon, double-ended, 170 mm
- Chemical spoon, double-sided, 150 mm
- Weighing spatula, 170 mm
- 2 Micro-double spatula, spoon-shaped, 130, 150 mm

Hammacher

Type	PK	Cat. No.
HSO 132-00	1	6.312 442

**NEW**

4



### 5 Spatula set, stainless steel, 7 pieces

- Remanit® 4301.
- 7 pieces:
- 1 x pair of forceps, blunt, straight, 145 mm
- 1 x micro spoon-spatula 150/5 mm
- 1 x micro spoon-spatula 150/7 mm
- 1 x double spatula 150/9 mm
- 1 x powder spatula 150/9 mm
- 1 x micro powder spatula 150/4 mm
- 1 x micro double spatula 150/4 mm

RSG

In bag with push button. Made in Germany.

Type	PK	Cat. No.
Spatula set	1	7.630 153

5



# 1. General laboratory consumables

## Tools/Spoons, Spatulas-Knives, Scissors



### 1 Stirring rods, Soda-lime glass

Soda-lime glass. With flame-polished ends.

Ext. diam. mm	Length mm	PK	Cat. No.
3	200	10	9.197 403
4	150	10	9.197 404
4	200	10	9.197 405
5	150	10	9.197 406
5	200	10	9.197 407
6	150	10	9.197 408
6	200	10	9.197 424
6	250	10	9.197 426
7	300	10	9.197 431
8	300	10	9.197 433
9	300	10	9.197 435



### 2 Stirring rods, PVC

Rigid, light and unbreakable. The ideal replacement for glass rods.

Kartell

Diam. mm	Length mm	PK	Cat. No.
7.15	250	1	6.204 737
7.15	300	1	6.231 934
7.15	350	1	6.206 755

### Universal scissors, stainless steel, plastic handle

All purpose scissors for use in the office and at home. Produced from stainless steel. Sharp blades for accurate cutting. Ergonomic designed handles made from ABS material feature soft-grip insert. Supplied on try-me card.

Colour: black/red

- stainless steel, polished
- special grinding for precise cuts
- ergonomic handles

Form	Length mm	PK	Cat. No.
Straight	140	1	9.160 651 <b>3</b>
Sharp	160	1	9.160 652 <b>4</b>
Straight	210	1	9.160 653 <b>5</b>
Straight	255	1	9.160 654 <b>6</b>



9.160 651



9.160 652



9.160 653



9.160 654



### 7 Heavy Duty Scissor, stainless steel, black

Stainless steel blades and large comfortable black ABS handles. Suitable for cutting tougher materials. Features integral groove center for opening corks from bottles, nutcracker, bottle opener, etc. Supplied on try-me card.

Description	Length mm	PK	Cat. No.
Universal scissor	215	1	9.160 655

# 1. General laboratory consumables

## Tools/Knives, Scissors

### 1 LLG-Scissors general purpose, stainless steel

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

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

Form	Length mm	PK	Cat. No.
sharp - sharp	130	1	6.237 703
sharp - sharp	160	1	9.204 231
blunt - sharp	130	1	9.204 232
blunt - sharp	160	1	9.204 233
blunt - blunt	130	1	9.204 234
blunt - blunt	160	1	9.204 235



### 2 Scissors dissecting, stainless steel

Excellent grade polished stainless steel with fine sharps points and close shanks.

ISOLAB

- Available as 2 types:
- straight body form
  - curved body form

Form	Length mm	PK	Cat. No.
Straight body form	130	1	6.236 264
Curved body form	130	1	9.204 222



### Scissors, stainless steel

Made of Inox, Swiss made, high quality finish, suitable for medical purposes.

Ideal-tek

Form	Length mm	PK	Cat. No.
Curved body form (miniature work), extra fine, sharp - sharp	90	1	6.280 910
Straight body form (miniature work), extra fine, sharp - sharp	90	1	4.668 556
Curved body form, extra fine, sharp - sharp	90	1	6.280 911
Straight body form, extra fine, sharp - sharp	90	1	4.668 573
Curved body form, round, strong, sharp - sharp	90	1	6.280 912
Curved body form, extra fine, strong, sharp - sharp	90	1	6.280 913
Straight body form, blunt - blunt	90	1	6.280 914

3



6.280 910

4



6.280 912

5



6.280 913

6



6.280 914

### Fine surgical scissors

Stainless. Closed shanks with fine points as indicated.

Hammacher

Form	Length mm	PK	Cat. No.
Straight	140	1	9.160 602
Curved	140	1	9.160 603



9.160 602



9.160 603

## Tools/Knives, Scissors

1



4.668 574

### Surgical scissors, stainless steel

*Ideal-tek*

2



4.668 576

Form	Length mm	PK	Cat. No.
Straight	115	1	<b>4.668 574</b>
Straight	130	1	<b>4.668 575</b>
Straight, blunt	145	1	<b>4.668 576</b>
Straight, blunt	165	1	<b>4.668 577</b>
Straight, blunt	185	1	<b>4.668 578</b>
Straight	200	1	<b>4.668 579</b>

3



### 3 Surgical scissors, stainless steel

Straight, closed shanks. Point/blunt.

Length mm	PK	Cat. No.
130	1	<b>9.204 220</b>

4



### 4 Surgical scissors, sharp points, stainless steel

Fine-polished finish.  
Closed shanks with fine sharp points, curved or straight, as outlined below.

Form	Length mm	PK	Cat. No.
Straight	105	1	<b>9.204 206</b>
Curved	105	1	<b>9.204 207</b>

5



### 5 LLG-Universal slicer

Heavy duty scissor for cutting almost all material even also thin layers of steel. Cutting blade is manufactured from high quality hardened stainless steel. Spring supported ergonomic plastic handle with safety lock offers easy and secure use.

Length mm	PK	Cat. No.
185	1	<b>6.267 394</b>

6



### 6 Universal slicer

Stainless steel. Sturdy with plastic coated handle. Persistard metal handle (inside).

*Bochem*

Blade length mm	Length mm	PK	Cat. No.
40	190	1	<b>9.204 332</b>

7



9.160 656

### LLG-All-round Cutter with rubber grip

An easy and comfortable handling is ensured by the ergonomically shaped grip. The break-off device is integrated into the grip section of the ABS plastic casing. Comes with a metal blade guide and auto-lock system. Both cutters will be delivered on blister cards including 2 spare cutting blades.

8



9.160 657

Type	PK	Cat. No.
LLG-All-round Cutter 18 mm	1	<b>9.160 656</b>
LLG-All-round Cutter 9 mm	1	<b>9.160 657</b>
Replacement blade for LLG-All-round Cutter 18 mm	10	<b>9.160 658</b>
Replacement blade for LLG-All-round Cutter 9 mm	10	<b>9.160 659</b>



# 1. General laboratory consumables

## Tools/Knives, Scissors

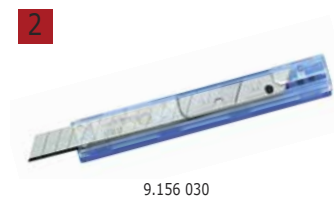
### Cutter edding M 9

Small, handy pocket sized model with plastic handle and clip. With retractable blade and slotted cover for breaking off the blades safely. 13 break-off blades per knife. Barrel colour black. Replacement blades available.



9.156 027

Type	PK	Cat. No.
Cutter	1	9.156 027
Spare blade for M 9	10	9.156 030



9.156 030

### Apollo blades

High-quality Swedish alloy steel. Standard quality.

Type	Width mm	Thickness mm	Height mm	PK	Cat. No.
Bail blades with handle	39	0.25	19	100	6.322 097
Bail blades with handle (20 x 5)	39	0.25	19	100	7.930 281
Bail blades with handle	57	0.28	25	5	6.800 353
Apollo Ever-Sharp-Blades	39	0.30	19	5	9.156 110



6.322 097



6.800 353



9.156 110

### 6 Trapezoid Ceramic Blades CERA-Safeline®

Box of 3 blades on blister card.

Advantage of ceramic blades:

- stays sharp 10x longer than steel
- safer than metal blades
- rust-free, no oil layer
- acid-proof, chemically neutral
- spark-free, non-conductive, non-magnetic

Dimensions mm	PK	Cat. No.
58 x 19	3	6.275 353



### 7 Cutting board, PE

HACCP conform cutting board.

- Suitable for dish washer
- Heat resistant up to 90 °C

Colour	Width mm	Depth mm	Height mm	PK	Cat. No.
White	610	460	25	1	4.666 015
Blue	610	460	25	1	6.312 665



### 8 LLG-Multi-purpose tool

Blue anodised housing with stainless steel screws. Specifications: Needlenose Pliers, Wire Cutters, Wire Stripper, Knife, Saw Knife, Saw, Screwdriver, Crosshead Screwdriver, Bottle/Can Opener, File. Supplied completely with Nylon Belt Pouch. Dimensions: 100 x 45 x 20 mm

Type	Weight g	PK	Cat. No.
LLG-Multi-purpose tool	230	1	9.160 000



## Tools/Knives, Scissors-Workshop tools

**1**


### 1 Leatherman® Wingman Multi-Tool, Stainless Steel

Tools: Spring-action Needlenose Pliers, Spring-action Regular Pliers, Spring-action Wire, Cutters, 420HC Combo Knife, Package Opener, Wood/Metal File, thomann Scissors, Small Screwdriver, Medium Screwdriver, Phillips Screwdriver, Ruler (1.5 in), Bottle Opener, Can Opener, Wire Stripper, Features: Removeable Pocket Clip.

Weight g	Length mm	PK	Cat. No.
198	97	1	4.665 763

**2**


### 2 Glass markers, diamond-tipped

Writing diamond for writing on glass. Available as a pen with retractable tip or mounted on a wooden handle.

Type	Size	PK	Cat. No.
With wooden grip	1	1	9.032 920
With wooden grip	3	1	6.242 878
With wooden grip	5	1	6.242 879
Pen type	1	1	9.032 930

**3**


### 3 Glascribe® Pen

Mark laboratory glassware with the Glascribe® Pen with retractable tungsten carbide tip (Mohs Hardness = 9). It easily inscribes on glass, ceramics, and plastic. The pen has a pocket clip so it is always handy when needed.

*Bel-Art Products*

Type	PK	Cat. No.
Glascribe® pen	1	9.032 932

**4**


### 4 Glass tubing cutter

For glass tubing up to 30 mm Ø. With interchangeable hard metal wheel.

*Usbeck*

Type	PK	Cat. No.
Glass tubing cutter	1	9.110 510
Replacement roller	1	9.110 511

**5**


### 5 Glass cutting knife

With interchangeable blades made of metal. Length: 185 mm. With plastic handle.

*Usbeck*

Type	PK	Cat. No.
Glass cutting knife	1	9.110 500
Replacement blade	1	9.110 501

**6**


### 6 Hammer

DIN 1041, steel-forged hammer head, double bracketed with ash handle.

Weight g	PK	Cat. No.
300	1	9.306 127

**7**


### 7 Vernier calliper gauge, digital

Stainless steel, with 5 digit LCD display. Accuracy  $\pm 0.03$  mm, resolution 0.01 mm. Switchable between metric/imperial. 3V CR2032 lithium battery not included.

*Bochem*

Type	Length mm	PK	Cat. No.
Digital	150	1	9.204 610

### 1 Laboratory tool box

12 piece ring/open end spanner set: 1 piece each in sizes 6 mm to 15 mm, 17 mm and 19 mm.  
 Knipex 180 mm combination pliers. Knipex 240 mm water pump pliers.  
 FLEX-DOT screwdriver set: 1 slotted screwdriver each in sizes 8.0 x 1.2 mm - 5.5 x 1.0 mm and 3.0 x 0.5 mm.  
 1 Phillips screwdriver, size 2. Including two stubby screwdrivers: 1 size 2 Phillips screwdriver and 1 slotted screwdriver 5.5 x 1.0 mm. Automotive light tester with cable and crocodile clip (for automotive electrical systems only).

Sockets, sizes 8 mm - 10 mm - 12 mm - 13 mm - 14 mm - 15 mm - 17 mm - 19 mm - 22 mm and 24 mm.  
 Reversible ratchet. Universal joint. 1 each 125 mm and 250 mm extensions. Long T-handle with slide (for loosening wheel nuts). Special 16 mm and 21 mm spark plug sockets with ball head on longer side. Pocket Allen key set (8 piece set) from 1.5 - 8.0 mm. PROXXON ball-peen hammer (300 g), ground on all sides and partially polished.  
 With inseparable graphite handle (fibre-glass reinforced, non-slip soft coating in grip area) for unparalleled vibration damping.

Type	PK	Cat. No.
PROXXON 23650	1	9.306 125



### 2 Screwdriver set

Hardened, chrome vanadium molybdenum steel. With impact-resistant, cadmium-free, plastic handles.  
 Insulated in accordance with VDE 0680/2, 1000V, 7 screwdrivers.

4 VDE screwdriver: 2.5 x 80/3.5 x 100/4 x 100/5.5 x 125 mm  
 2 VDE Phillips screwdriver: PH1 x 80/PH2 x 100 mm  
 1 Voltage detector

Type	PK	Cat. No.
Wera 160i/7	1	9.306 107



### 3 Electronics screwdriver set with rack

6-piece screwdriver set consisting of:  
 4 flat screwdrivers: 2.5 mm/3.0 mm/3.5 mm/4.0 mm  
 2 PH screwdrivers: Size 0 and 1

Type	PK	Cat. No.
Electronics screwdriver set with rack	1	9.210 143



### 4 Side cutting pliers

Type 7001. DIN 5238 B. ISO 5749. For hard and soft wire. Inductively hardened precision cutting edges.  
 Cutting hardness approx. 62 HRC. Plastic coated handles.

Length mm	PK	Cat. No.
180	1	9.306 111



### 5 Water pump pliers

Chrome vanadium steel. Form D. With locking groove and glide adjustment. Inductively hardened toothed grips.  
 6 position jaw opening.

Length mm	PK	Cat. No.
250	1	9.306 115



### 6 Combination pliers

Tool steel. Light design. DIN ISO 6746. For cutting hard and soft wire. Long cutting edges for thicker cable.  
 Inductively hardened cutting edges. Cutting hardness 60 HRC. Plastic coated handle grips.

Length mm	PK	Cat. No.
180	1	9.306 117





### 1 LLG-Torch

Sturdy torch with 12 energy saving LED lights for ultra-bright light. Made from metal with practical hand strap incl. 3 x 1.5 V AAA batteries.

Dimensions (Dia. x L): 30 x 120 mm

Type	PK	Cat. No.
LLG-Torch	1	9.961 000



### 2 LED-Flashlight, Lumatic Spot

3 Watt CREE LED, range up to 120 m, zoom or focus for diffused light. Durable aluminum housing, splash-proof, with carrying strap and bag, batteries 3 x 1.5 V AAA.

TFA Dostmann

Dimensions (Dia. x L): 34 x 115 mm  
Weight: 170g

Type	PK	Cat. No.
Lumatic Spot	1	9.156 233



### 3 Flashlight Energizer® TAC 700, Aluminium



Made of sturdy aircraft aluminium, with unbreakable strike bezel head, waterproof. Illumination range up to 100 m, 3 light modes adjustable via rear push button (max. 700 m). The removable clip can be used with both orientations. Incl. 2 x CR123 batteries.

Type	PK	Cat. No.
Energizer® TAC 700	1	4.672 259



### 4 LLG-Forceps, 18/10 steel

Blunt-straight.

Length mm	PK	Cat. No.
105	1	4.008 471
115	1	4.008 472
130	1	4.008 473
145	1	6.255 826
160	1	4.008 474
200	1	4.008 475
250	1	4.008 476
300	1	4.008 477
115*	1	4.008 478
130*	1	4.008 479
145*	1	4.008 480
160*	1	4.008 481

\* curved



### 5 LLG-Dissecting forceps, stainless steel 420

Manufactured from premium grade polished stainless steel with fine sharp points and sprung flutes.

Available as 2 types:

- straight body form
- curved body form

Length mm	PK	Cat. No.
105	1	4.008 482
115	1	9.171 121
130	1	9.171 122
150	1	9.171 123
160	1	4.008 483
200	1	4.008 484
105*	1	4.008 485
115*	1	9.171 124
130*	1	6.236 683

\* curved

# 1. General laboratory consumables

## Tools/Forceps

### 1 Forceps, blunt, 8/10 stainless steel

Straight, blunt.

Length mm	PK	Cat. No.
105	1	9.171 010
115	1	9.171 011
130	1	9.171 013
145	1	9.171 014
160	1	9.171 016
200	1	9.171 020
250	1	9.171 025
300	1	9.171 030



### 2 Tissue forceps, 18/10 steel

With tooth grips 1:2.

Length mm	PK	Cat. No.
115	1	9.171 311
130	1	9.171 313
145	1	9.171 314
160	1	9.171 316



### Forceps, stainless steel 18/10

Form	Length mm	PK	Cat. No.
Straight, sharp, fine ends	105	1	9.171 110
Straight, sharp, fine ends	115	1	9.171 111
Straight, sharp, fine ends	130	1	9.171 113
Straight, sharp, fine ends	145	1	9.171 114
Straight, sharp, fine ends	160	1	9.171 115
Straight, sharp, fine ends	200	1	9.171 116
Curved (angled), sharp, fine ends	105	1	9.160 120
Curved (angled), sharp, fine ends	115	1	9.160 121
Curved (angled), sharp, fine ends	130	1	9.160 123



### 5 Forceps, curved end, 18/10 steel

Stainless 18/10 steel. Curved ends with sharp tips.

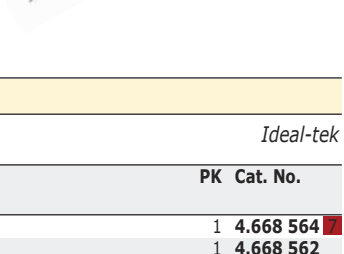
Length mm	PK	Cat. No.
115	1	9.171 221
135	1	9.171 223
145	1	9.171 224
160	1	9.171 225
200	1	9.171 226



### 6 Forceps, curved end, stainless steel

Remanit® 4301, with sharp ends, angled.

Length mm	PK	Cat. No.
105	1	7.637 274
115	1	9.171 211
130	1	9.171 213
145	1	9.171 214
160	1	9.171 215
200	1	9.171 217



### Forceps, stainless steel, anti-magnetic, anti-acid

*Ideal-tek*

Form	Length mm	PK	Cat. No.
Straight, strong, fine	110	1	4.668 564
Curved, fine	120	1	4.668 562
Curved, very fine	120	1	4.668 572
Curved, fine	150	1	4.668 566
Straight, fine, blunt	150	1	4.668 571
Straight, strong, fine, Nickel plated, with guide-pin	155	1	4.668 563
Straight, strong, rounded, blunt	200	1	4.668 561



## Tools/Forceps

**1**

**1**

### Precision Forceps, anti-Magnetic, anti-Acid, replaceable tips

130 mm high quality steel tweezers with strong plastic replaceable tips. Tips made of plastic type CF (carbon fibre), handles made of anti-magnetic anti-acid stainless steel. For laboratory applications in moderately aggressive chemical environments.

*Ideal-tek*

Tips made of PA66/CF30 polyamide 66 reinforced with 30 % carbon fibre. Very high rigidity, excellent tensile and flexural strength, fatigue resistance. Excellent wear and abrasion resistance. Not resistant to strong acids, alkalis and hot water or steam. Very low coefficient of linear thermal expansion.

Forceps made of Stainless Steel type SA, from 16.5 to 18.5 % chromium and nickel and molybdenum as additional alloying elements. Non-magnetizable.

Form	Length mm	PK	Cat. No.
Tip tweezers, exchangeable fine tips	130	1	<b>6.266 878</b>
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no. 6.266 878		1	<b>6.266 880</b>
Tip tweezers, exchangeable extra fine tips	130	1	<b>6.266 879</b>
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no. 6.266 879		1	<b>6.266 881</b>
Tip tweezers, exchangeable wide flat duckbill tips	130	1	<b>6.272 049</b>
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no. 6.272 049		1	<b>6.272 051</b>
Tip tweezers, exchangeable curved, very fine tips	130	1	<b>6.272 050</b>
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no.		1	<b>6.272 052</b>

**2**

**2**

### High Precision Tweezers, anti-Magnetic, anti-Acid

High Precision Tweezers, swiss made, high quality finish, anti-magnetic and acid resistant stainless steel

*Ideal-tek*

Form	Length mm	PK	Cat. No.
flat edges, fine tips	120	1	<b>6.266 873</b>
flat, round tips	120	1	<b>6.266 874</b>
very sharp, fine tips	110	1	<b>6.266 875</b>
extra fine tips	110	1	<b>6.266 876</b>
very fine, 45° curved tips	115	1	<b>6.266 877</b>
extra fine tips	110	1	<b>6.269 621</b>
very sharp, fine tips	120	1	<b>6.272 034</b>
extra fine, very sharp	140	1	<b>7.970 771</b>

**3**

**3**

### Membrane Tweezers

Swiss made. Made of austenitic steel. Non-magnetizable. Good corrosion resistance to most chemicals, salts and acids. Flat, with round tips and rounded edges. Especially suitable for safe handling of transfer membranes.

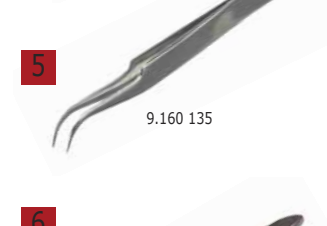
*Ideal-tek*

Form	Length mm	PK	Cat. No.
thin, squared, bent tips	105	1	<b>6.272 053</b>
flat, round tips	115	1	<b>9.160 131</b>
smooth and flat tips	120	1	<b>6.269 622</b>

**4**


### Forceps, fine, 18/10 steel

Non-magnetic. Extra fine ends, without grooves.

**5**


Form	Length mm	PK	Cat. No.
Straight	105	1	<b>9.160 130</b>
Curved	105	1	<b>9.160 135</b>

**6**

**6**

### LLG-Cover glass forceps, self-locking, stainless steel

Stainless steel 4301

Form	Length mm	PK	Cat. No.
Straight	105	1	<b>9.160 380</b>
Curved	105	1	<b>9.160 381</b>



# 1. General laboratory consumables

## Tools/Forceps

### 1 LLG-Cover glass forceps, type Kühne, stainless steel

Stainless steel 4301

Form	Length mm	PK	Cat. No.
Curved	115	1	9.160 386
Curved	130	1	9.160 387
Curved	145	1	9.160 388
Straight	115	1	9.160 391
Straight	130	1	9.160 392
Straight	145	1	9.160 393



### 2 Cover glass forceps, stainless steel **NEW**

Stainless steel AISI 304. With curved or straight tip.

ISOLAB

Length mm	Form	PK	Cat. No.
105	Curved	1	7.900 725
105	Straight	1	4.678 045



### Cover glass forceps, stainless 18/10 steel

With flattened ends, straight or curved as outlined below. Points 6 mm wide.

Form	Length mm	PK	Cat. No.
straight	105	1	9.160 205 <span style="color: red;">3</span>
curved	105	1	9.160 210 <span style="color: red;">4</span>



### Reverse Action Tweezers, antimagnetic, stainless steel

Specially intended for applications where a high precise self-closing action is required (e.g. microscopy). Extra fine tips in anti-acid/anti-magnetic stainless steel.

Ideal-tek

Form	Length mm	PK	Cat. No.
flat, accurate, round	120	1	6.272 047 <span style="color: red;">5</span>
very sharp, fine	120	1	6.272 048 <span style="color: red;">6</span>
extra fine, superior finish	110	1	6.285 207 <span style="color: red;">7</span>



### 8 Tweezers for filter paper, stainless steel

Perfect tool to use for handling papers.

ISOLAB

Description	Length mm	PK	Cat. No.
Tweezers for filter paper	120	1	6.243 682

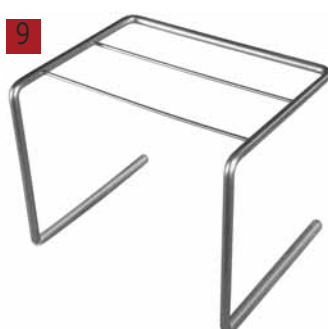


### 9 Forceps stands **NEW**

Forceps- and pliers stands. Stainless steel.

Hammacher

Width mm	Depth mm	Height mm	PK	Cat. No.
140	120	140	1	6.312 440



➔ Further forceps please see page 1402.

## Tools/Forceps



### 1 Disposable tweezers, PS

**NEW**

Bürkle



For precise laboratory work, for gripping and holding small objects.

- Serrated handles
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

Form	Length mm	Sterile	PK	Cat. No.
Pointed / angled: fine, smooth, curved gripping tip	130	+	100	<b>4.670 759</b>
Pointed / angled: fine, smooth, curved gripping tip	130	-	100	<b>4.670 760</b>
Pointed: straight, inside, serrated tip	130	+	100	<b>4.670 761</b>
Pointed: straight, inside, serrated tip	130	-	100	<b>4.670 762</b>
Wide tip: smooth and blunt tip	130	+	100	<b>4.670 763</b>
Wide tip: smooth and blunt tip	130	-	100	<b>4.670 764</b>



### 2 Disposable tweezers, PS and disposable tweezers, PS, detectable

Bürkle



Blue. For precise laboratory work, for gripping and holding small objects. The blue products, or parts of them, can be quickly found and easily identified in a visual check, if they ever get into production.

Disposable tweezers detectable: In addition to the blue colour, these products have a special additive in the material that makes them visible to metal detectors or X rays. They can therefore be rejected with standard systems for checking for foreign objects.

- Serrated handles
- Sterile
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

Type	Form	Length mm	Sterile	PK	Cat. No.
Disposable tweezers	Pointed / angled: fine, smooth, curved gripping tip	130	+	100	<b>4.670 765</b>
Disposable tweezers	Pointed: straight, inside, serrated tip	130	+	100	<b>4.670 766</b>
Disposable tweezers	Wide tip: smooth and blunt tip	130	+	100	<b>4.670 767</b>
Disposable tweezers, detectable	Pointed / angled: fine, smooth, curved gripping tip	130	+	100	<b>6.312 050</b>
Disposable tweezers, detectable	Pointed: straight, inside, serrated tip	130	+	100	<b>6.312 051</b>
Disposable tweezers, detectable	Wide tip: smooth and blunt tip	130	+	100	<b>6.312 052</b>



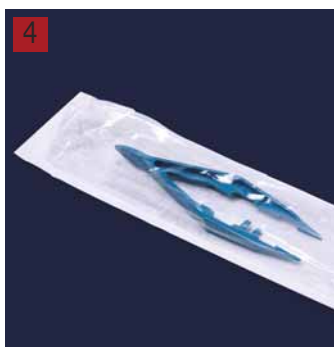
### 3 Disposable tweezers, ABS

**NEW**

ISOLAB

Blue. Corrosion and chemical resistant disposable tweezers with fine, sharp tips.

Length mm	PK	Cat. No.
110	10	<b>7.970 670</b>



### 4 Disposable tweezers, ABS, sterile

**NEW**

ISOLAB

Blue. Individually single packed with lot number, production date and expiry date printed on the package.

- DNase-, RNase- and pyrogen-free
- Gamma-sterilised

Length mm	PK	Cat. No.
110	1	<b>6.254 713</b>

# 1. General laboratory consumables

## Tools/Forceps

1 Forceps, PMP		
White. Pointed, elastic, very good resilience. Autoclavable at 121 °C (2 bar) according to DIN EN 285.		VITLAB
Length mm	PK	Cat. No.
115	1	9.171 411
145	1	9.171 414



2 Forceps, POM			
Yellow, blunt, elastic, very good resilience. With grooves on the outside for optimum handling and grip.		VITLAB	
Length mm	Description	PK	Cat. No.
115	without grooves on the inside of the tip	1	7.009 045
145	without grooves on the inside of the tip	1	7.009 046
180	with grooves on the inside of the tip	1	9.171 418
250	with grooves on the inside of the tip	1	9.171 425



3 One-time tweezers, ABS, sterile		
One-time tweezers, 120 mm, sterile, ABS, anatomic		
Description	PK	Cat. No.
One-time tweezers, sterile	100	6.270 262



4 LLG-Forceps assortment, 4-parts, chromium-nickel steel		
LLG-Forceps assortment, 4-parts, chromium-nickel steel (1.4301) in synthetic leather bag including: 1 Sharp forcep, curved, 115 mm 1 Thumb forcep, 115 mm 1 Forcep with guide pin straight, 130 mm 1 Coverglas forcep, 115 mm 1 Synthetic leather bag, 6 subjects 100 x 175 mm		
Description	PK	Cat. No.
LLG-Forceps assortment, 4-parts	1	9.160 394



5 High Precision Tweezer kit, 5-parts, stainless steel, anti-magnetic, anti-acid		
High Precision Tweezers Kit, swiss made, high quality finish, anti-magnetic and acid resistant stainless steel in a solid cardboard box with foam insert, including 5 forceps:		Ideal-tek
120 mm, flat edges, fine tips (1 x 6.266 873)		
120 mm, flat, accurate, round tips (1 x 6.266 874)		
110 mm, very sharp, fine tips (1 x 6.266 875)		
110 mm, extra fine tips (1 x 6.266 876)		
115 mm, very fine, 45° curved tips (1 x 6.266 877)		
Description	PK	Cat. No.
High Precision forceps kit, 5-parts	1	9.160 124



## Tools/Scoops



### 1 LLG-Dispensing scoops, HDPE

For heavy industrial use. Suitable for foodstuff.

Capacity ml	Length mm	PK	Cat. No.
250	250	1	9.201 091
500	300	1	9.201 092
1000	350	1	6.240 471
1500	400	1	9.201 093



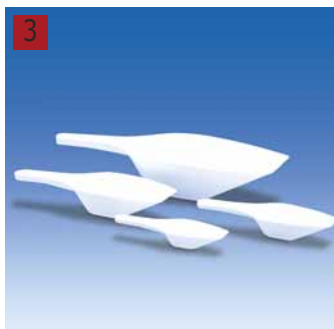
### 2 Measuring scoops, HDPE



VITLAB

Natural colouring. Conical in shape with tapered filling edge.  
Food-safe product according to regulation (EU) No. 10/2011.

Capacity ml	Length mm	Colour	PK	Cat. No.
15	115	Natural	1	7.008 959
25	135	Natural	1	7.008 960
65	185	Natural	1	7.008 961
110	215	Natural	1	7.008 962
150	250	Natural	1	9.201 025
350	310	Natural	1	9.201 030
750	350	Natural	1	9.201 035
750	350	Ultramarin	1	6.310 292
750	350	Black	1	4.671 820
1250	400	Natural	1	9.201 040
1250	400	Ultramarin	1	6.310 293
1250	400	Black	1	4.671 821



### 3 Measuring scoops, PP



VITLAB

White measuring scoops which are also suitable as weighing scoops. With precision formed filling edge and comfortable, stable handle. Easily readable volume quantities on the upper side of the handle.  
Food-safe product according to regulation (EU) No. 10/2011.

Capacity ml	Length mm	PK	Cat. No.
2	60	12	9.201 042
5	82	12	9.201 043
10	100	12	9.201 045
25	135	12	9.201 047
50	160	12	9.201 048
100	200	12	9.201 049
250	260	6	4.678 198
250	315	6	4.678 197
1000	385	6	9.201 050



### 4 Dispensing scoops, Aluminium

Capacity ml	Length Scoop mm	Overall length mm	PK	Cat. No.
42	80	135	1	9.201 113
105	113	185	1	9.201 118
140	120	210	1	9.201 121
260	145	250	1	9.201 125
340	155	265	1	9.201 126
555	185	310	1	9.201 131
675	220	350	1	9.201 135
1510	270	400	1	9.201 140
3000	300	430	1	9.201 143



### 5 Dispensing scoops, stainless steel

Made from stainless steel Remanit® 4301.

Capacity ml	Diam. mm	Length Scoop mm	Overall length mm	PK	Cat. No.
120	50	100	190	1	9.201 219
450	75	145	250	1	9.201 222
1000	105	190	320	1	9.201 232
1500	120	240	350	1	9.201 235
2000	150	250	370	1	6.080 286

# 1. General laboratory consumables

## Tools/Scoops-Heating/Burners

### 1 Scoops FoodScoop, Stainless steel



Bürkle

Very stable hand scoop for various applications, particularly suited for the food industry. Seamless connection of scoop and hollow handle, therefore without crevices and edges. Especially smooth, highly polished surface.

- Especially sturdy model
- Stainless steel V2A (1.4301)
- With handy suspension eyelet



Capacity ml	Width Scoop mm	Length Scoop mm	Overall length mm	PK	Cat. No.
100	60	120	215	1	6.254 785
200	75	140	230	1	6.252 363
250	85	155	245	1	6.254 786
350	100	180	290	1	6.242 476
500	130	220	350	1	6.072 181

### 2 Scoops PharmaScoop, stainless steel V4A, with long handle



Bürkle

For sampling of powders and granulates in the pharmaceutical industry.

- Stainless steel V4A, highly polished surface
- Jointless production
- Long handle, 60 cm
- Autoclavable
- Suitable for food
- GMP-conform



Nominal capacity ml	Overall length mm	Length Scoop mm	Diam. mm	PK	Cat. No.
1000	835	235	110	1	4.665 345

### 3 Laboratory dryer HT0141

Power: approx. 2100 W. 2 speed settings, 3 temperature settings with cold air-stream button. Metallic paint housing. Air-inlet grill detachable for cleaning. cable retracts at the touch of a button. Weight: 594 g.



Type	PK	Cat. No.
HT 0141	1	6.268 487

### Spirit lamp

Soda-lime glass. Flat conical form. With ground on cover. Without filling inlet, without wick or nozzle (please order separately). Capacity 100 ml.



Type	PK	Cat. No.
Without filler inlet	1	9.018 549
Wick	1	9.018 553
Nozzle	1	9.018 554

9.018 549

### 5 Spirit burner

18/10 steel. With wick height adjuster and sealing cap. Capacity approx. 60 ml.

Usbeck



Type	PK	Cat. No.
Spirit burner	1	9.018 560

## Heating/Burners

**1**


9.018 540

### Flame sterilizer/Blowlamp Soudogaz® X 2000/X 2000 PZ

Air volume regulation for stepless adjustment of flame size. For operation with gas cartridge C 206 GLS:  
With durable housing to protect the cartridge.

- For flaming and sterilizing
- Mobile hand-held device
- One-hand operation possible

Weight: 380 g without cartridge  
Consumption: 120 g/h  
Flame temperature: approx. 1750 °C

Type	PK	Cat. No.
Soudogaz® X 2000 without piezo ignition	1	<b>9.018 540</b>
Soudogaz® X 2000 PZ with piezo ignition	1	<b>9.018 539</b>

**2**


### 2 Bunsen burner, portable Labogaz® 206

For operation with gas cartridge C 206 GLS (Cat.-No.: 9.018 520). DVGW-authorized.

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

Type	PK	Cat. No.
Labogaz® 206	1	<b>9.018 510</b>

**3**


### 3 Bunsen burner, portable, Labogaz® 470

For operation with gas cartridges CV 300 Plus (Cat.-No.: 6.243 905) or CV 470 Plus (Cat.-No.: 9.018 512).

Weight: 380 g without cartridge  
Height: 190 mm with cartridge CV 300 Plus  
240 mm with cartridge CV 470 Plus  
Consumption: 55 g/h

Type	PK	Cat. No.
Labogaz® 470	1	<b>9.018 511</b>

**4**


6.243 905

### Gas cartridges

#### C 206 GLS pierceable cartridge

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

#### CV470 Plus and CV 300 Plus valve cartridge

With safety valve. For bunsen burner Labogaz® 470.

#### CV 360 valve cartridge

With safety valve. For gas-safety burner schuett phoenix (Cat.-No. 9.018 761).

Safety valve allows removal of partially used valve gas cartridges.



H phrases: H220

Type	Description	Height mm	Capacity g	PK	Cat. No.
C 206 GLS	Gas ratio 80/20 Butane/Propane	90	190	1	<b>9.018 520</b>
C 206 GLS	Gas ratio 80/20 Butane/Propane (large pack)	90	190	36	<b>6.261 010</b>
CV 300 Plus	Gas ratio 80/20 Butane/Propane	105	240	1	<b>6.243 905</b>
CV 470 Plus	Gas ratio 80/20 Butane/Propane	140	450	1	<b>9.018 512</b>
CV 470 Plus	Gas ratio 80/20 Butane/Propane (large pack)	140	450	12	<b>6.261 011</b>
CV 360	Butane	140	52	1	<b>9.018 519</b>

Suitable accessories can be found in our online shop.



# 1. General laboratory consumables

## Heating/Burners

### 1 Gas cartridges

**CG 1750** : 175 g of butane/propane mixture. Operates in low temperature (-10 °C). Cartridge with universal threaded valve. *Campinggaz*



H phrases: H220

Type	Capacity g	Description	PK	Cat. No.
CG1750	175	butane / propane	1	6.225 728

1



### 2 Gas cartridge

220g/400ml. With safety valve. Provides approx. 3 hours use. EN 417: 2012. 70 % butane, 30 % propane. *Usbeck*



H phrases: H220

Type	PK	Cat. No.
Gas cartridge	1	9.018 364

2



### Burner for cartridges

With needle gas valve and air regulator.  
**Only for the gas cartridge 9.018 364.**

**6.073 253 and 6.082 974:**



H phrases: H220

Height mm	Type	PK	Cat. No.
136	Cartridge Burner DIN type with cartridge	1	6.082 974
136	Burner for cartridges, Teclu, without cartridge	1	9.018 363
136	Burner for cartridges, Bunsen, without cartridge	1	9.018 370
152	Ignition fuse with cartridge	1	6.073 253

3



9.018 363

4



9.018 370

5



6.073 253

### 6 Bunsen burners with needle valve

DIN 30665. Air regulation, *Usbeck*

Description	Height mm	Weight g	PK	Cat. No.
Natural	155	220	1	9.018 361
Propane	155	220	1	9.018 362

6



### 7 Bunsen burner with needle valve

DIN 30665. Air regulation, pilot flame. *Usbeck*

Rubber sucker base (Art. Nr. 9.018 360) please order separately.

Type	Height mm	Weight g	PK	Cat. No.
Natural with needle valve	155	220	1	9.018 365
Propane with needle valve	155	220	1	9.018 366

7



### 8 Bunsen burners with gas tap

DIN 30665. Air regulation, spar flame. *Usbeck*

Description	Height mm	Weight g	PK	Cat. No.
Natural, stopcock	155	225	1	6.055 476
Propane, stopcock	155	225	1	6.801 322

8



## Heating/Burners



### 1 Bunsen burner with lever cock

DIN 30665. Air regulation, low flame.

Usbeck

Type	Height mm	Weight g	PK	Cat. No.
Natural with lever cock	155	245	1	6.090 990
Propane with lever cock	155	245	1	7.600 247



### 2 Bunsen burners with air regulator and needle valve

With air regulator and needle gas valve. Adjustable nozzle.

Usbeck

Type	Height mm	Weight g	PK	Cat. No.
Universal burner	170	270	1	9.018 294



9.018 360

6.802 244

### Accessories for Bunsen burner

Usbeck

Type	PK	Cat. No.
Rubber sucker base for bunsen burner	1	9.018 360
Heavy foot (+ 200 g) can be screwed	1	6.802 244



### 5 Safety burner, Ms-Ni

Maximum temperature 1300 °C, with needle valve, **thermo safety element** (bimetallic flame sensor with magnetic lock), air regulator and pilot light. Nickel-plated brass and steel. An anti-slip rubber coating under the base ensures absolute stability.

Bochem

Type	Height mm	Rating kW	PK	Cat. No.
Natural gas	180	1.53	1	9.018 388
Propane	180	2.36	1	9.018 389



### 6 Teclu burners with needle valve

Acc. to DIN 30665, with air regulation, with low flame.

Usbeck

Type	Height mm	Weight g	PK	Cat. No.
Natural	155	260	1	9.018 375
Propane	155	260	1	9.018 376



### 7 Teclu burners with needle valve

DIN 30665. Ignition protection, thermocouple, air regulation, low flame.

Usbeck

Description	Height mm	Weight g	PK	Cat. No.
Natural gas	160	370	1	9.018 380
Propane	160	370	1	9.018 381

➔ Gas safety tubing please see page 146.



### 8 Gas lighter

For all types of gas. Bow-shaped. With flint.

Usbeck

Type	PK	Cat. No.
Gas lighter	1	9.018 801
Flints	1	9.018 805

# 1. General laboratory consumables

## Heating/Burners-Beaker tongs

### 1 Piezoelectric gas lighter, Clipper

Piezoelectric.

Type	PK	Cat. No.
Piezoelectric gas lighter, Clipper	1	9.018 820



### Electric laboratory burner

Simple power supply through the electrical connector with an integrated switch for power on/off, no dangerous gas supply and gas leakage

- Electrical power supply instead of gas
- Fast heat up without a flame
- Highest security operated through an RCD: suitable for education
- No waste and storage of gas cartridges
- Continuous power regulation through the optional power regulator
- Heat protection through the optional glass support: deposition for dishes and flasks
- Improved heat protection with an improved glass support
- Clean odorless working in regular atmosphere without a flame

HORO

The components need to be ordered separately.

#### Specifications

Power supply:	590W/230V
Dimensions (diam. x H):	125 x 180 mm
Weight:	800 g
Max. temperature:	900 °C
Heated area:	diam. 38 mm

Type	PK	Cat. No.
Electric laboratory burner	1	9.018 601
Power regulator for electric laboratory burner	1	9.018 602
Glass support for electric laboratory burner	1	9.018 603
Safety glass support for electric laboratory burner	1	9.018 604



### 5 Electric Bunsen burner BA6101

Electrothermal's Electric Bunsen, combines the advantages of a regular gas burner with the clean, easy operation of their Electromantles. The Electric Bunsen is ideal for non-contact heating of test tubes, crucibles, small flasks and beakers, regardless of their shape.

Electrothermal

- Conical shaped heating element directs radiant heat to the top cavity
- Top cowl deflects heat away from your hand
- Air circulation from the vented housing keeps the base cool enough to hold during operation
- Corrosion-resistant

#### Specifications

Power consumption:	400 W
Dimensions (diam. x H):	120 x 177 mm
Weight:	0.5 kg
Temperature range:	800 to 1000 °C

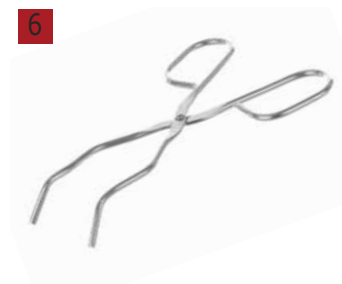
Type	Description	PK	Cat. No.
BA6101	without controller	1	9.018 691
BA6101/C	with controller	1	4.011 122



### 6 Crucible tongs, 18/10 steel

18/10 steel. Electro polished. With bow and gripping tips.

Length mm	Description	PK	Cat. No.
160	18/10 E-Poli	1	9.310 116
200	18/10 E-Poli	1	9.310 120
220	18/10 E-Poli	1	9.310 122
250	18/10 E-Poli	1	9.310 125
300	18/10 E-Poli	1	9.310 130
400	18/10 E-Poli	1	9.310 140
500	18/10 E-Poli	1	9.310 150
600	18/10 E-Poli	1	9.310 160
200	18/10 Stainless	1	6.305 927
220	18/10 Stainless	1	6.078 136
250	18/10 Stainless	1	6.232 602
300	18/10 Stainless	1	7.601 876
200	Ni 99,5 %	1	9.310 172
220	Titanium	1	6.288 673



## Heating/Beaker tongs-Tripod



### 1 Crucible tongs, chromated steel

With bow and flutes.

ISOLAB

Length mm	PK	Cat. No.
250	10	4.678 589
300	1	4.008 441
400	10	6.289 147



### 2 Crucible tongs, 18/10 steel, PTFE-coated

18/10 steel. With bow, and up to 100mm long PTFE-coated tips.

Length mm	PK	Cat. No.
200	1	9.310 285
250	1	9.310 290



### 3 Flask tongs, 18/10 steel

18/10 steel. Electro polished. Polyamide coated jaw clamps.

Length mm	Jaw opening mm	PK	Cat. No.
230	15-60	1	9.310 025



### 4 Flask tongs, chromated steel

Chromated steel flask tong - 300 mm length with insulated jaws, used to hold all types of flasks.

ISOLAB

For	Length mm	Temp. range max. °C	PK	Cat. No.
flasks volume up to 2000 ml	300	120	1	4.008 397



### 5 Beaker tongs, chromated steel

Beaker tong of 300 mm length is made out of chromated steel. Insulated jaws are used to hold all types of beakers.

ISOLAB

For	Length mm	Temp. range max. °C	PK	Cat. No.
beakers volume up to 1000 ml	300	120	1	6.237 287



### 6 Beaker tongs

Electro polished 18/10 steel wire frame with bowed strip-metal jaws and ceramic fibre jaw linings.

Length mm	Jaw opening mm	PK	Cat. No.
300	60 to 100	1	9.310 016



### 7 Beaker tongs, with rubber-sleeved jaws

Jaws protected with 2 rubber pads each. Arm length: 160 mm.

Length mm	Jaw opening mm	PK	Cat. No.
300	50 to 100	1	9.310 010



### 8 Tripod stand

Zinc-plated steel. With circular top and flared legs.

Usbeck

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

Diam. mm	Height mm	PK	Cat. No.
100	180	1	9.034 110
120	210	1	9.034 112
120	250	1	6.200 910
120	260	1	6.234 831
140	220	1	9.034 114
160	230	1	6.059 957

# 1. General laboratory consumables

## Heating/Tripod

### 1 Tripod stand

Chrome plated steel. Tripods are meant to be used in conjunction with wire gauze, triangles or a sand bath. Holding ring with 150 mm diameter can be reduced to 125 mm with the supplied reduction attachment.

ISOLAB

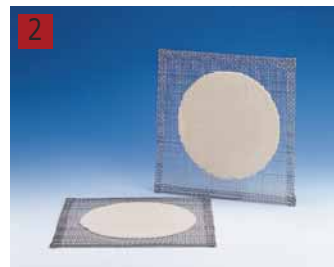
Description	Diam. mm	PK	Cat. No.
total height 200 mm	125	1	6.242 704
adjustable height min 200 mm/max 300 mm	150	1	4.008 512



### 2 Wire gauzes

Steel wire with round ceramic centre. Sizes as outlined below.

Width mm	Depth mm	PK	Cat. No.
120	120	1	9.033 632
150	150	1	6.800 180
160	160	1	9.033 636
180	180	1	7.400 160
200	200	1	9.033 640

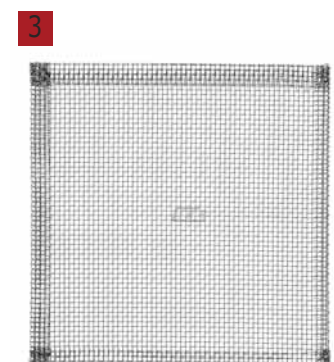


### 3 Wire gauzes

Plain, stainless steel wire with flanged edges. Mesh: 0.6 mm x 2.0 mm. Sizes as outlined below.

RSG

Width mm	Depth mm	PK	Cat. No.
115	115	1	9.150 717
135	135	1	9.150 718
155	155	1	9.150 719
175	175	1	9.150 720
195	195	1	9.150 721

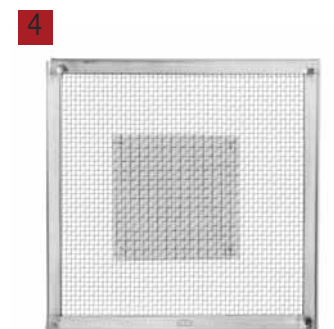


### 4 Wire gauzes

Plain, stainless steel wire with heat resistant center, mesh: 0.6 mm x 2.0 mm

RSG

Width mm	Depth mm	PK	Cat. No.
135	135	1	9.033 653
155	155	1	9.033 655
175	175	1	9.033 657
195	195	1	9.033 659



### 5 Glass ceramic laboratory protection plate

Glass ceramic material with a smooth, pore-free surface. Chemically resistant and operates between -200 °C and +700 °C. Ideal for use as a bench protector or heating surface in place of a wire gauze or pipeclay triangle.

DWK Life Sciences

Width mm	Depth mm	PK	Cat. No.
135	135	1	9.034 253
155	155	1	9.034 257
175	175	1	9.034 258



### 6 Triangle

Zinc-plated steel wire with pipeclay tubes.

Juchheim Laborgeräte

Pipeclay tube Length mm	Weight g	PK	Cat. No.
40	16	1	9.033 740
50	33	1	9.033 741
60	38	1	6.250 142
100	58	1	6.085 914





### 1 Safety gas hoses, rubber, without reinforcement

According to DIN 30664 section 1. Without cable armor. Connecting line for connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1. For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70 °C. Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. NG-4607AU2366. Supplied per metre.

*Deutsch & Neumann*

Int. diam. mm	Wall thickness mm	PK	Cat. No.
10	2	1	9.018 970



### 2 Gas safety tubing, rubber

Flexible connecting line of a rubber tubing with a contracted metal spiral and double-sided end sockets according to DVGW 5501(P). Kink resistant.

*Deutsch & Neumann*

For connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1.

For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70 °C.

Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. DG-4607AU2366.

Sold only in specified length

Length mm	PK	Cat. No.
500	1	9.018 935
600	1	9.018 936
750	1	9.018 937
1000	1	9.018 940
1250	1	9.018 942
1500	1	9.018 945
2000	1	9.018 950
3000	1	9.018 960



### 3 Tubing

Red. Rubber (NR). Durometer 45 Shore A. Supplied per metre or in standard coils of 25 m.

*Deutsch & Neumann*

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2	1.0	1	9.205 157
3	1.0	1	9.205 158
3	1.5	1	9.205 159
4	1.0	1	9.205 160
4	1.5	1	9.205 166
4	2.0	1	6.076 831
5	1.5	1	9.205 170
5	2.0	1	9.205 171
6	1.5	1	9.205 173
6	2.0	1	9.205 174
7	1.5	1	9.205 179
7	2.0	1	9.205 180
8	2.0	1	9.205 184
9	2.0	1	9.205 187
10	2.0	1	9.205 192
12	2.5	1	9.205 195
15	3.0	1	6.054 526
18	3.0	1	9.205 200



### 4 Vacuum tubing, rubber

Red. Rubber (NR). Durometer 45 Shore A. Supplied per metre or standard coils of 25 m.

*Deutsch & Neumann*

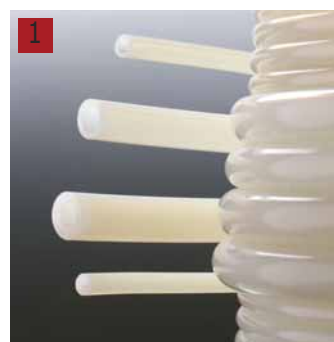
Int. diam. mm	Wall thickness mm	PK	Cat. No.
4	4	1	9.205 804
5	4	1	6.075 946
5	5	1	9.205 805
6	4	1	6.079 829
6	5	1	9.205 806
7	4	1	6.077 239
7	5	1	9.205 807
8	5	1	9.205 808
8	6	1	6.053 348
10	3	1	6.078 678
10	5	1	9.205 809
10	8	1	6.078 473
12	5	1	6.054 195



### 1 Vacuum Tubing, Silicone

Deutsch & Neumann

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
3	9	3	1	6.071 718
4	12	4	1	6.086 397
5	15	5	1	6.302 123
6	12	3	1	6.077 377
7	13	3	1	6.052 545
7	15	4	1	6.076 513
7	17	5	1	6.210 064
8	16	4	1	6.050 803
8	18	5	1	6.077 451
10	20	5	1	6.077 452
12	22	5	1	7.604 078

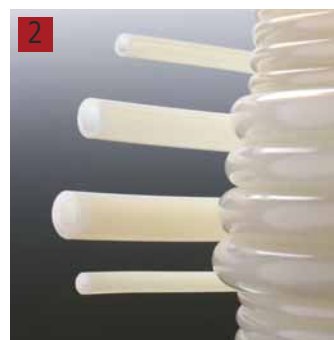


### 2 Tubing, Silicone

Deutsch & Neumann

Silicone rubber (VMQ), transparent, hardness 60 Shore A, food grade, temperature-resistant from -60 to 200 °C (short term up to 260 °C), suitable for peristaltic pumps. BFR XV, FDA CFR 21 § 177.2600, EP-Europ. Pharmacopoeia/DAB, biocompatibility: Cytotoxicity (USP Class 1-6), Hemolysis, Pyrogenicity, Sensitization, Dermatological Irritation, Implantation (90 days) according to ISO 10993-1. Supplied per meter.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.5	1.3	0.40	1	6.056 925
0.5	2.5	1.00	1	9.205 210
0.8	1.6	0.40	1	6.077 624
1.0	1.8	0.40	1	9.205 220
1.0	4.0	1.50	1	6.090 066
1.0	6.0	2.50	1	9.205 223
1.5	2.3	0.40	1	9.205 231
1.5	3.0	0.75	1	7.510 657
1.5	3.5	1.00	1	9.205 233
1.5	4.0	1.25	1	6.070 518
2.0	2.6	0.30	1	9.205 243
2.0	2.8	0.40	1	6.077 692
2.0	5.0	1.50	1	6.077 690
2.5	3.3	0.40	1	6.200 882
2.5	4.5	1.00	1	9.205 247
3.0	3.8	0.40	1	9.205 256
4.0	5.0	0.50	1	9.205 263
4.0	9.0	2.50	1	6.800 894
5.0	6.0	0.50	1	6.510 848
5.0	9.0	2.00	1	9.205 271
5.0	10.0	2.50	1	6.051 286
6.0	8.0	1.00	1	6.054 776
7.0	9.0	1.00	1	6.078 584
8.0	11.0	1.50	1	9.205 282
8.0	14.0	3.00	1	6.076 521
8.0	15.0	3.50	1	6.052 487
9.0	12.0	1.50	1	9.205 286
10.0	13.0	1.50	1	6.077 445
10.0	15.0	2.50	1	6.077 390
10.0	16.0	3.00	1	6.075 034
10.0	18.0	4.00	1	6.078 358
11.0	15.0	2.00	1	6.076 955
12.0	18.0	3.00	1	7.059 572
13.0	19.0	3.00	1	6.051 320
14.0	20.0	3.00	1	6.054 710
15.0	21.0	3.00	1	6.059 206
16.0	21.0	2.50	1	6.056 160
18.0	24.0	3.00	1	6.056 159
20.0	26.0	3.00	1	6.085 341
25.0	34.0	4.00	1	6.078 413



We can supply this  
**manufacturer's whole  
 product range !**



**DEUTSCH & NEUMANN**

## Tubing/Plastic

**1**


### 1 Tubings RAULAB FG® SLIDETEC, Silicone

Rehau



Suitable for food use, non talc-coated, according to BfR XV (Silicone) and FDA 177.2600. Original roll 25 meters. Discharge per meter. Durometer 60 ±5 Shore A to DIN 53505.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1	3	1.0	1	9.205 000
2	4	1.0	1	9.205 001
2	6	2.0	1	9.205 002
3	5	1.0	1	9.205 003
3	6	1.5	1	9.205 004
3	7	2.0	1	9.205 005
4	6	1.0	1	9.205 006
4	7	1.5	1	9.205 007
4	8	2.0	1	9.205 008
5	7	1.0	1	9.205 009
5	8	1.5	1	9.205 010
6	9	1.5	1	9.205 011
6	10	2.0	1	9.205 012
7	10	1.5	1	9.205 013
7	11	2.0	1	9.205 280
8	10	1.0	1	9.205 014
8	12	2.0	1	9.205 015
9	13	2.0	1	9.205 017
10	14	2.0	1	9.205 018
12	16	2.0	1	9.205 020

**2**

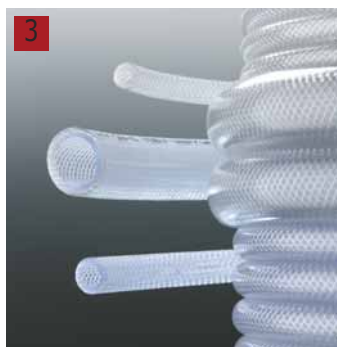

### 2 PVC-Tubing



Approved by BGVO directive 2002/72/EC and 2008/39/EC for food contact. Approved by KTW-C directive - Germany Federal Environment Agency for use in cold water. Durometer 77 Shore A.

Price per metre.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
2	4	1.0	1	9.205 345
3	5	1.0	1	9.205 358
3	6	1.5	1	9.205 359
4	6	1.0	1	9.205 365
4	7	1.5	1	9.205 366
5	7	1.0	1	9.205 369
5	8	1.5	1	9.205 370
6	8	1.0	1	9.205 372
6	9	1.5	1	9.205 373
6	10	2.0	1	9.205 374
7	10	1.5	1	9.205 379
7	11	2.0	1	9.205 380
8	11	1.5	1	9.205 382
8	12	2.0	1	9.205 384
9	12	1.5	1	9.205 386
9	13	2.0	1	9.205 387
10	14	2.0	1	9.205 392
12	16	2.0	1	9.205 394
15	19	2.0	1	9.205 397
18	22	2.0	1	9.205 398

**3**


### 3 Fabric-reinforced tubing, PVC



Transparent. Supplied per metre or in standard coils of 50M. PVC with terylene mesh reinforcement. Certified by German TÜV with due regard to regulatory of DIN EN ISO 5774:2008. Proofed by BGVO directive 2002/72/EC bis 2008/39/EC for food contact. Durometer 77 Shore A.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
6.0	12.0	3	10	6.291 358
8.0	14.0	3	10	6.291 359
10.0	16.0	3	10	6.291 360
12.5	18.5	3	10	6.291 361

### 1 Rubber Tubing, Viton®

Supplied per metre.

Deutsch & Neumann

- Fluoroelastomer Rubber (FPM), black
- Temperature range -10 to over +200 °C
- Good resistance to ozone and weathering, as well as benzene and mineral oil
- Durometer 75 Shore A



Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
2	4	1.0	1	9.205 745
3	5	1.0	1	9.205 758
4	6	1.0	1	9.205 765
5	7	1.0	1	9.205 769
6	8	1.0	1	9.205 772
6	10	2.0	1	9.205 774
8	11	1.5	1	9.205 782
8	12	2.0	1	9.205 784
9	13	2.0	1	9.205 787
10	14	2.0	1	9.205 792
12	16	2.0	1	6.083 415

### 2 Tubing, PFA

PFA fluorocarbon resin. Highly chemical resistant and temperature resistant up to +260 °C. Supplied per metre.

BOLA



Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.80	1.60	0.4	1	9.205 824
1.58	3.18	0.8	1	9.205 825
2.00	4.00	1.0	1	9.205 827
4.00	6.00	1.0	1	9.205 830
6.00	8.00	1.0	1	9.205 833
8.00	10.00	1.0	1	9.205 836
10.00	12.00	1.0	1	9.205 839

### 3 Tubing, PTFE

Highly chemical resistant and withstands temperatures from -200 °C to +250 °C. Supplied per metre.

BOLA



Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.5	1.0	0.25	1	9.205 608
0.5	1.6	0.55	1	9.205 609
0.8	1.6	0.40	1	9.205 616
1.0	1.6	0.40	1	9.205 619
1.0	2.0	0.50	1	9.205 621
1.5	2.1	0.30	1	9.205 630
1.6	3.2	0.80	1	9.205 634
2.0	3.0	0.50	1	9.205 644
2.0	4.0	1.00	1	9.205 645
3.0	4.0	0.50	1	9.205 657
3.0	5.0	1.00	1	9.205 658
4.0	6.0	1.00	1	9.205 665
5.0	6.0	0.50	1	9.205 668
6.0	8.0	1.00	1	9.205 672
8.0	10.0	1.00	1	9.205 680

## Tubing/Plastic



### 1 Tubing Norprene® A 60 G

Black, Thermoplastic elastomer, Shore A 61. Suitable for use as tubing for peristaltic pumps. High endurance. Resistant to many aggressive chemicals. Supplied per metre or in standard coils of 15 m.

- Temperature range -60 to +135 °C
- Superior weathering
- Abrasion resistant
- Low gas permeability versus rubber tubing
- Ozone (300 pphm) and UV light resistant

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.6	4.8	1.6	1	9.206 941
3.2	6.4	1.6	1	9.206 944
4.8	8.0	1.6	1	9.206 951
6.4	9.6	1.6	1	9.206 956
6.4	11.2	2.4	1	9.206 957
8.0	11.2	1.6	1	9.206 961
8.0	12.8	2.4	1	9.206 962
9.5	12.7	1.6	1	9.206 967
9.5	14.4	2.4	1	9.206 968
9.5	15.9	3.2	1	9.206 969
11.1	14.3	1.6	1	9.206 973
12.7	15.9	1.6	1	9.206 976
12.7	17.5	2.4	1	9.206 977



### 2 Tubing Versilic®, Silicone

Versilic® 60 shore tubing is biologically inert and does not inhibit cell culture. It stays flexible down to -50 °C and maintains its chemical, mechanical and electrical performance up to +200 °C. Versilic® meets the European Pharmacopoeia requirements for silicone elastomer for closures and tubing, USP Class VI biological tests and ISO 10993 biocompatibility (systemic toxicity, irritation, sensitization, citotoxicity, hemocompatibility and Ames test).

Saint Gobain

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.5	2.5	1.0	1	9.205 300
1.0	3.0	1.0	1	9.205 301
2.0	4.0	1.0	1	9.205 302
3.0	5.0	1.0	1	9.205 303
4.0	6.0	1.0	1	9.205 304
4.0	8.0	2.0	1	9.205 267
5.0	7.0	1.0	1	9.205 305
6.0	9.0	1.5	1	6.236 287
6.0	10.0	2.0	1	9.205 275
7.0	11.0	2.0	1	9.205 306
8.0	11.0	1.5	1	6.235 261
8.0	12.0	2.0	1	9.205 285
9.0	13.0	2.0	1	9.205 307
10.0	14.0	2.0	1	9.205 308
12.0	17.0	2.5	1	9.205 309



### 3 Tubing Iso-Versinic

Synthetic fluoroelastomer. Chemically resistant to hydrocarbons (aromatic and aliphatic), oils, strong acids, oxidizing agents and chlorous solvents. Excellent resistance to abrasion and flexing. Good ozone and radiation protection. Impermeable to gas and steam. Shore A, Density 1.9. Temperature range -20 °C to +200 °C (up to +300 °C for short periods). Elongation at tear >250 %. Suitable for transporting corrosive liquids. Supplied per metre.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1	3	1.0	1	9.205 700
2	4	1.0	1	9.205 701
3	5	1.0	1	9.205 702
4	6	1.0	1	9.205 703
5	8	1.5	1	9.205 704
6	9	1.5	1	9.205 705
7	10	1.5	1	9.205 706
8	12	2.0	1	9.205 707
10	14	2.0	1	9.205 708
12	17	2.5	1	9.205 709

### 1 Tubing Tygon® E-3603

Transparent. Shore A 55. Universal laboratory tubing with very good gripping properties on glass or plastic fittings. Very low gas permeability level similar to rubber. Resistant to most laboratory chemicals. Suitable for peristaltic pumps and for food and beverage dispensing. Meets FDA and USP class VI. Supplied per metre or in standard coils of 15 m.

- Temperature range -50 to +74 °C
- Smooth inner surface
- Contains no BPA or phthalates

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.8	2.4	0.8	1	9.205 515
1.6	3.2	0.8	1	9.205 536
1.6	4.8	1.6	1	9.205 537
2.4	4.0	0.8	1	9.205 550
2.4	5.6	1.6	1	9.205 551
3.2	4.8	0.8	1	9.205 561
3.2	6.4	1.6	1	9.205 562
4.0	5.6	0.8	1	9.205 564
4.0	7.1	1.6	1	9.205 566
4.8	6.4	0.8	1	9.205 568
4.8	7.9	1.6	1	9.205 567
4.8	9.5	2.4	1	9.205 569
4.8	11.1	3.2	1	9.205 570
6.4	7.9	0.8	1	9.205 575
6.4	9.5	1.6	1	9.205 576
6.4	11.1	2.4	1	9.205 577
6.4	12.7	3.2	1	9.205 578
7.9	11.1	1.6	1	9.205 583
7.9	12.7	2.4	1	9.205 584
7.9	14.3	3.2	1	9.205 585
7.9	15.9	4.0	1	9.205 586
9.5	12.7	1.6	1	9.205 588
9.5	14.3	2.4	1	9.205 589
9.5	15.9	3.2	1	9.205 590
11.1	14.3	1.6	1	9.205 591
11.1	15.9	2.4	1	9.205 592
11.1	17.5	3.2	1	9.205 593
12.7	15.9	1.6	1	9.205 595
12.7	17.5	2.4	1	9.205 596
12.7	19.0	3.2	1	9.205 597
12.7	20.6	4.0	1	9.205 598
15.9	22.2	3.2	1	9.206 524
19.0	27.0	4.0	1	9.206 545

Further products can be found in our online shop.



### 2 Tubing Tygon® 3350

Silicone-platinum tubing, Shore A 50. For sterile filling systems, chemistry and blood analyzers and liquid chromatography. Biocompatibility for sensitive applications. To FDA and USP Class VI, in accordance with ISO 10993. Supplied in 15 m coil.

Saint Gobain

- Temperature range -81 to +200 °C
- Smooth inner surface
- High flexibility
- Ozone and UV resistant

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.6	3.2	0.8	15	6.300 493
3.2	6.4	1.6	15	9.208 380
4.8	8.0	1.6	15	9.208 381
6.4	9.6	1.6	15	9.208 382
6.4	11.2	2.4	15	9.208 383
8.0	12.8	2.4	15	9.208 384
9.5	12.7	1.6	15	9.208 385
12.7	15.9	1.6	15	9.208 386
12.7	17.5	2.4	15	9.208 387



➔ More tubing in chapter 8 near the peristaltic pumps, see page 1047.

## Tubing/Plastic

**1**


### 1 Tygon® tubing ELFL

Transparent, flexible, Shore A 56. *Saint Gobain*  
 Temperature range -54 to +74 °C. Tygon tubing with the longest "Flex-Life" (lifespan) when used in peristaltic pumps. To FDA/USP Class VI. ISO 10993, according to REACH without phthalates. Suitable for food, drinks or pharmaceutical applications. Resists ageing and non-toxic. Resistant to many chemicals. Supplied in 7.5 m coil.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.6	4.8	1.6	7	9.208 439
3.2	6.4	1.6	7	9.208 440
4.8	8.0	1.6	7	9.208 441
6.4	9.6	1.6	7	9.208 442
8.0	11.2	1.6	7	9.208 443
9.5	15.9	3.2	7	9.208 444
12.7	19.1	3.2	7	9.208 445

**2**


### 2 Flow indicators LaboPlast®


*Bürkle*

Gives a visual indication of liquid or gas flow in tubing. Operates in both directions and at any angle. Can accommodate flow rates down to approx. 150 ml/min Length incl. nozzle 88 mm. For tubing from 6mm to 11 mm diameter. Maximum pressure: 2 bar. Food Safe.

#### Choice of models:

- LiquiMobil made of SAN up to 30 °C working temperature
- CheMobil made of PMP up to 60 °C working temperature, autoclavable good, chemically resistance

Type	Colour	PK	Cat. No.
LiquiMobil/SAN	blue	1	9.003 910
LiquiMobil/SAN	red	1	9.003 911
LiquiMobil/SAN	black	1	9.003 912
CheMobil/ PMP	blue	1	9.003 913
CheMobil/ PMP	red	1	9.003 901
CheMobil/PMP	black	1	9.003 914

**3**


### 3 LLG-Hose cutter

A perfect tool to cut even thick hoses with external diameter from 6.0 mm to 25 mm. The cut edges of tubings with the tube cutter are always clean and flat. Offers a clean and sharp cut of tubings in few seconds. Hose cutter has a two end blade which can be turned when one gets blunt and the other sharp side used.

Description	PK	Cat. No.
for diam. 6 - 25 mm	1	6.267 395

### Spare blades for LLG-Hose cutter

For dia. 6 - 25 mm.

Type	PK	Cat. No.
Spare blades for LLG-Hose cutter	30	4.671 809

**4**


### 4 Plastic tubing cutter

Portable, pocket-sized cutter cuts flexible tubing from 1.6 to 19 mm O.D. *Bel-Art Products*  
 The jaw is lightly spring-loaded and will remain closed for safety when not in use. A replaceable, hardened steel blade makes clean, straight cuts.

Type	PK	Cat. No.
Tubing cutter	1	9.205 898
Replacement blade	1	9.205 899



# 1. General laboratory consumables

## Tubing/Adapters, Clips, Clamps

### 1 Messfix tubing gauge

Small, red, handy polypropylene gauge.  
For rapid measurement of internal and external diameters of tubing, test tubes etc. within the range 1.5 mm to 16 mm.

*schuett-biotec*



Width mm	Depth mm	Height mm	PK	Cat. No.
50	120	12	1	9.205 800

### General Purpose Couplings with valve, PMC Series, Acetal

PMC coupling natural white, for standard applications, such as optical testing equipment, analytical equipment for chemicals, medical equipment and gas testing systems. Both coupling elements are fitted with a valve. When disconnecting the coupling, both sides close tightly. Main components and stop valve made of acetal. Unlocking button, springs and pins made of stainless steel 316. Material O-rings: Buna-N

*Colder Products Company*

- Unlocking button for one-handed operation
- Integrated connections for short installation lengths and fast installation
- With stop valve
- Combinable with MC Series couplings

#### Specifications

Nominal size: 1/8"  
Operating pressure: Vacuum up to 8.3 bar  
Operating temperature: -40 ... 82 °C



Type	Connection diam. inside	Overall length mm	PK	Cat. No.
Coupling PMCD1002BSPT, thread	1/8" BSPT	25.4	1	4.662 891
Coupling PMCD1004BSPT, thread	1/4" BSPT	27.9	1	4.662 893
Coupling PMCD1601, tubing nozzle	1/16", 1.6 mm	35.6	1	4.662 897
Coupling PMCD1602, tubing nozzle	1/8", 3.2 mm	41.9	1	4.662 899
Coupling PMCD1603, tubing nozzle	3/16", 4.8 mm	47.0	1	4.662 901
Coupling PMCD1604, tubing nozzle	1/4", 6.4 mm	47.0	1	4.662 902
Coupling PMCD1701, tubing nozzle	1/16", 1.6 mm	35.8	1	4.662 904
Coupling PMCD1702, tubing nozzle	1/8", 3.2 mm	41.9	1	4.662 906
Coupling PMCD1703, tubing nozzle	3/16", 4.8 mm	47.0	1	4.662 908
Coupling PMCD1704, tubing nozzle	1/4", 6.4 mm	47.0	1	4.662 909
Coupling PMCD13025, In-Line compression fitting	0.10", 2.5 mm	41.9	1	4.662 894
Coupling PMCD1304, In-Line compression fitting	0.17", 4.3 mm	44.5	1	4.662 895
Coupling plug PMCD2402BSPT, thread	1/8" BSPT	36.6	1	4.662 926
Coupling plug PMCD2404BSPT, thread	1/4" BSPT	36.1	1	4.662 928
Coupling plug PMCD4201, tubing nozzle	1/16", 1.6 mm	38.1	1	4.662 929
Coupling plug PMCD4202, tubing nozzle	1/8", 3.2 mm	44.5	1	4.662 930
Coupling plug PMCD4203, tubing nozzle	3/16", 4.8 mm	49.5	1	4.662 931
Coupling plug PMCD4204, tubing nozzle	1/4", 6.4 mm	49.5	1	4.662 932
Coupling plug PMCD2201, tubing nozzle	1/16", 1.6 mm	37.3	1	4.662 915
Coupling plug PMCD2202, tubing nozzle	1/8", 3.2 mm	42.4	1	4.662 917
Coupling plug PMCD2203, tubing nozzle	3/16", 4.8 mm	47.8	1	4.662 919
Coupling plug PMCD2204, tubing nozzle	1/4", 6.4 mm	43.2	1	4.662 920
Coupling plug PMCD2302, tubing nozzle	1/8", 3.2 mm	30.7	1	4.662 922
Coupling plug PMCD2304, tubing nozzle	1/4", 6.4 mm	30.7	1	4.662 924
Coupling plug PMCD20025, In-Line compression fitting	0.10", 2.5 mm	41.9	1	4.662 911
Coupling plug PMCD2004, In-Line compression fitting	0.17", 4.3 mm	39.9	1	4.662 912
Coupling plug PMCD2006, In-Line compression fitting	0.25", 6.4 mm	38.6	1	4.662 914



**1**


4.662 896

### General Purpose Couplings with valve, PMC12 Series, PP

PMC12 coupling beige, for more demanding applications, such as microbiological analysis equipment, cleaner concentrates, electroplating fluids, sterilisation equipment and water pollutant analysis. Both coupling parts are fitted with a valve. When disconnecting the coupling, both sides close tightly. Main components and stop valve made of PP. Unlocking button, springs and pins made of stainless steel 316. *Colder Products Company*

Material O-rings: EPDM

- Unlocking button for one-handed operation
- Integrated connections for short installation lengths and fast installation
- With stop valve
- Sterilizable with gamma rays

**2**


4.662 923

#### Specifications

Nominal size valve: 1/8"  
 Operating pressure: 8.3 bar, 120 psi  
 Operating temperature: 0 ... 71 °C

Type	Connection diam. inside	Overall length mm	PK	Cat. No.
Coupling PMCD100212BSPT, thread	1/8" BSPT	25.4	1	4.662 890
Coupling PMCD100412BSPT, thread	1/4" BSPT	27.9	1	4.662 892
Coupling PMCD160112, tubing nozzle	1/16", 1,6 mm	35.6	1	4.662 898
Coupling PMCD160212, tubing nozzle	1/8", 3,2 mm	41.9	1	4.662 900
Coupling PMCD160412, tubing nozzle	1/4", 6,4 mm	47.0	1	4.662 903
Coupling PMCD170112, tubing nozzle	1/16", 1,6 mm	36.1	1	4.662 905
Coupling PMCD170212, tubing nozzle	1/8", 3,2 mm	42.4	1	4.662 907
Coupling PMCD170412, tubing nozzle	1/4", 6,4 mm	47.5	1	4.662 910
Coupling PMCD130412, In-Line compression fitting	0.17", 4,3 mm	44.2	1	4.662 896
Coupling plug PMCD24042812, thread	1/4" UNF	40.2	1	4.662 927
Coupling plug PMCD220112, tubing nozzle	1/16", 1,6 mm	37.3	1	4.662 916
Coupling plug PMCD220212, tubing nozzle	1/8", 3,2 mm	42.4	1	4.662 918
Coupling plug PMCD220412, tubing nozzle	1/4", 6,4 mm	43.4	1	4.662 921
Coupling plug PMCD230212, tubing nozzle	1/8", 3,2 mm	30.7	1	4.662 923
Coupling plug PMCD230412, tubing nozzle	1/4", 6,4 mm	30.7	1	4.662 925
Coupling plug PMCD200412, In-Line compression fitting	0.17", 4,3 mm	40.1	1	4.662 913

**3**


4.662 851

### General Purpose Couplings with valve, PLC12 Series, PP

PLC12 coupling, beige, for more demanding applications, such as battery filling systems, disinfectants, dosing pumps, pharmaceutical production and chemical processing in the semiconductor industry. Both coupling parts are fitted with a valve. When disconnecting the coupling, both sides close tightly. Main components and stop valve made of PP. Unlocking button, springs and pins made of stainless steel 316. *Colder Products Company*

Material O-rings: EPDM

- Unlocking button for one-handed operation
- Integrated connections for short installation lengths and fast installation
- With stop valve
- Sterilizable with gamma rays

**4**


4.662 873

#### Specifications

Nominal size valve: 1/4"  
 Operating pressure: 8.3 bar, 120 psi  
 Operating temperature: 0 ... 71 °C

Type	Connection diam. inside	Overall length mm	PK	Cat. No.
Coupling PLCD1000412BSPT, thread	1/4" BSPT	29.2	1	4.662 845
Coupling PLCD1000612BSPT, thread	3/8" BSPT	29.2	1	4.662 847
Coupling PLCD1600412, tubing nozzle	1/4", 6,4 mm	49.5	1	4.662 855
Coupling PLCD1600612, tubing nozzle	3/8", 9,5 mm	49.5	1	4.662 858
Coupling PLCD1700412, tubing nozzle	1/4", 6,4 mm	49.8	1	4.662 860
Coupling PLCD1700612, tubing nozzle	3/8", 9,5 mm	49.8	1	4.662 863
Coupling PLCD1300612, In-Line compression fitting	0.25", 6,4 mm	49.8	1	4.662 851
Coupling plug PLCD2400412, thread	1/4" NPT	42.4	1	4.662 878
Coupling plug PLCD2200412, tubing nozzle	1/4", 6,4 mm	50.8	1	4.662 870
Coupling plug PLCD2200612, tubing nozzle	3/8", 9,5 mm	46.2	1	4.662 873
Coupling plug PLCD2300412, tubing nozzle	1/4", 6,4 mm	34.5	1	4.662 875
Coupling plug PLCD2300612, tubing nozzle	3/8", 9,5 mm	36.1	1	4.662 877
Coupling plug PLCD2000612, In-Line compression fitting	0.25", 6,4 mm	46.2	1	4.662 866
Coupling plug PLCD4200412, panel mounting tubing nozzle	1/4", 6,4 mm	52.1	1	4.662 886
Coupling plug PLCD4200612, panel mounting tubing nozzle	3/8", 9,5 mm	52.1	1	4.662 889

### General Purpose Couplings with valve, PIC Series, Acetal

PMC coupling natural white, the most used coupling series, especially for applications such as floor cleaning equipment, deionized water filtration, automated machines, compression therapy and leak detectors. Both coupling elements are fitted with a valve. When disconnecting the coupling, both sides close tightly. Main components and stop valve made of acetal. Unlocking button, springs and pins made of stainless steel 316. Material O-rings: Buna-N

Colder Products Company

- Unlocking button for one-handed operation
- Integrated connections for short installation lengths and fast installation
- With stop valve
- Combinable with LC Series couplings

#### Specifications

Nominal size valve: 1/4"  
 Operating pressure: 8.3 bar, 120 psi  
 Operating temperature: -40 ... 82 °C

1



4.662 852

2



4.662 880

Type	Connection diam. inside	Overall length mm	PK	Cat. No.
Coupling PLCD10004BSPT, thread	1/4" BSPT	29.2	1	4.662 846
Coupling PLCD10006BSPT, thread	3/8" BSPT	29.2	1	4.662 848
Coupling PLCD16004, tubing nozzle	1/4", 6,4 mm	49.5	1	4.662 854
Coupling PLCD16005, tubing nozzle	5/16", 7,9 mm	49.5	1	4.662 856
Coupling PLCD16006, tubing nozzle	3/8", 9,5 mm	49.5	1	4.662 857
Coupling PLCD17004, tubing nozzle	1/4", 6,4 mm	49.5	1	4.662 859
Coupling PLCD17005, tubing nozzle	5/16", 7,9 mm	49.5	1	4.662 861
Coupling PLCD17006, tubing nozzle	3/8", 9,5 mm	49.5	1	4.662 862
Coupling PLCD13004, In-Line compression fitting	0.17", 4,3 mm	46.2	1	4.662 849
Coupling PLCD130M8, In-Line compression fitting	0.17", 6,0 mm	49.5	1	4.662 853
Coupling PLCD13006, In-Line compression fitting	0.25", 6,4 mm	49.5	1	4.662 850
Coupling PLCD130M10, In-Line compression fitting	0.25", 8,0 mm	49.5	1	4.662 852
Coupling plug PLCD24004BSPT, thread	1/4" BSPT	42.2	1	4.662 879
Coupling plug PLCD24006BSPT, thread	3/8" BSPT	41.4	1	4.662 880
Coupling plug PLCD42004, tubing nozzle	1/4", 6,4 mm	52.1	1	4.662 885
Coupling plug PLCD42005, tubing nozzle	5/16", 7,9 mm	52.1	1	4.662 887
Coupling plug PLCD42006, tubing nozzle	3/8", 9,5 mm	52.1	1	4.662 888
Coupling plug PLCD22004, tubing nozzle	1/4", 6,4 mm	50.5	1	4.662 869
Coupling plug PLCD22005, tubing nozzle	5/16", 7,9 mm	50.5	1	4.662 871
Coupling plug PLCD22006, tubing nozzle	3/8", 9,5 mm	46.0	1	4.662 872
Coupling plug PLCD23004, tubing nozzle	1/4", 6,4 mm	32.5	1	4.662 874
Coupling plug PLCD23006, tubing nozzle	3/8", 9,5 mm	32.5	1	4.662 876
Coupling plug PLCD20004, In-Line compression fitting	0.17", 4,3 mm	47.8	1	4.662 864
Coupling plug PLCD200M8, In-Line compression fitting	0.17", 6,0 mm	46.2	1	4.662 868
Coupling plug PLCD20006, In-Line compression fitting	0.25", 6,4 mm	46.2	1	4.662 865
Coupling plug PLCD200M10, In-Line compression fitting	0.25", 8,0 mm	46.2	1	4.662 867
Coupling plug PLCD40004, panel mounting compression fitting	0.17", 4,3 mm	48.5	1	4.662 881
Coupling plug PLCD400M8, panel mounting compression fitting	0.17", 6,0 mm	51.6	1	4.662 884
Coupling plug PLCD40006, panel mounting compression fitting	0.25", 6,4 mm	52.1	1	4.662 882
Coupling plug PLCD400M10, panel mounting compression fitting	0.25", 8,0 mm	52.1	1	4.662 883

### General Purpose Couplings with valve, Sixtube™-Series, Acetal

The coupling elements provide a quick lock for up to six independent connections for liquid media. Stop valves can be used in the coupling, but not in the plug. With the unlocking button, six lines can be disconnected at once by pressing with the thumb. The coupling is designed for various applications, such as packaging systems, pneumatic regulators, filling of air chambers, semiconductor production, water softeners and measuring equipment. Main components, stop valve (natural white) and unlocking button (turquoise green) made of acetal, springs made of stainless steel 316. Material O-rings: Buna-N.

Colder Products Company

- Unlocking button for one-handed operation
- Integrated connections for short installation lengths and fast installation for up to six connections
- With stop valve

#### Specifications

Operating pressure: 6.9 bar, 100 psi  
 Operating temperature: -40 ... 82 °C

3



4.662 934

4



4.662 936

Type	Connection diam. inside	Overall length mm	PK	Cat. No.
with coupling inserts, with stop valve	1/16", 1,6 mm	47.8	1	4.662 933
with coupling inserts, with stop valve	1/8", 3,2 mm	47.8	1	4.662 934
with plug inserts, without stop valve	1/16", 1,6 mm	27.9	1	4.662 935
with plug inserts, without stop valve	1/8", 3,2 mm	27.9	1	4.662 936

**1**


4.662 842

### 1 Screw caps GL 45 with general purpose coupling, BQ45GL Series

The bottle caps with quick disconnect coupling or FitQuik® tubing connection integrated in a cap for all common laboratory bottles with GL 45 thread, blue. The BQ45GL series has a hydrophobic packaging vent, a polyethylene gasket and hose barb with 1/1" (6.35 mm) ID for mounting a dip tube.

*Colder Products Company*

- For all bottles with thread GL 45
- Factory-installed quick couplings
- Tight closure even without seal
- One hand operation

#### Specifications

Nominal size: 1/4"  
 Operating temperature: 0 ... 49 °C

Type	PK	Cat. No.
Coupling PMC12 Series	1	4.662 842
Coupling plug PMC12 Series	1	4.662 843
FitQuik® tubing connection	1	4.662 844

**2**


4.662 837

### 3 Accessories for General Purpose Couplings PMC, PMC12, PLC und PLC12 Series

*Colder Products Company*
**3**


Description	PK	Cat. No.
Nuts 1/16", 1.8 mm, PP, natural	1	4.662 834
Nuts 1/8", 3.0 mm, PP, natural	1	4.662 835
Nuts 1/16", 1.8 mm, acetal, black	1	4.662 836
Nuts 1/8", 3.0 mm, acetal, black	1	4.662 837
Ferrules 1/16", 1.8 mm, ETFE, blue	1	4.662 838
Ferrules 1/8", 3.0 mm, ETFE, yellow	1	4.662 839
Ferrules 1/16", 1.8 mm, ETFE, green	1	4.662 840
Ferrules 1/8", 3.0 mm, ETFE, orange	1	4.662 841

**4**


### 4 Laboratory threaded joints - GL 14/18/25

Enables GL threads to clamp easily to fluoroplastic or thick-walled tubing made out of other plastics, glass or metal. (Ideally suited for connection with Bola GL fittings, Bola pressure valves, Bola GL taps and Bola GL ball valves).

*BOLA*

The laboratory threaded joints consist of a red screw cap made of glass-fibre reinforced ETFE, a sealing disc and a tapered sealing ring made of PTFE, as well as a V-ring made of glass-fibre reinforced ETFE. This patented system withstands pressures up to approx. 10 bar, is suitable for a vacuum (at room temperature in the case of sizes 14 to GL 25) and is easy to assemble without tools. The substance that passes through only comes in contact with PTFE.

Bola laboratory threaded joints can, for example, be used to hold probes (including stainless steel probes), sensors, laboratory taps, submerged tubes, thermometers or as a cable feed.

For external tube diam.	Neck thread	PK	Cat. No.
mm	GL		
1.6	14	1	9.209 803
3.0	14	1	9.209 806
3.2	14	1	9.209 807
4.0	14	1	9.209 808
6.0	14	1	9.209 809
6.35	14	1	9.209 810
3.2	18	1	9.209 817
6.0	18	1	9.209 819
8.0	18	1	9.209 820
10.0	18	1	9.209 821
6.0	25	1	9.209 839
8.0	25	1	9.209 840
10.0	25	1	9.209 841
12.0	25	1	9.209 842

# 1. General laboratory consumables

## Tubing/Adapters, Clips, Clamps

### 1 Laboratory Threaded Joints, GL 14/18/25/32 BOLA

Connecting equipment and fittings with GL threads with hard-walled tubing or tubes made of glass, plastic or metal. Fixing probes, thermometers, dip tubes or cables in reaction vessels. Black screw caps made of PPS, inner parts consisting of a v-ring (PPS), a tapered ring and a sealing ring (both PTFE) as well as an o-ring (FKM) for tubing diameters under 3 mm (not exposed to the medium). Good chemical resistance, the medium is only exposed to PTFE. Temperature resistant from -50 to 250 °C, pressure stable up to 10 bar, suitable for vacuum.



For external tube diam.	Neck thread	PK	Cat. No.
mm	GL		
1.0	14	1	6.901 758
1.6	14	1	6.307 933
2.0	14	1	6.307 187
3.0	14	1	6.304 933
3.2	14	1	6.303 128
4.0	14	1	7.601 156
5.0	14	1	6.237 145
6.0	14	1	6.900 068
6.35	14	1	7.603 089
8.0	14	1	6.084 147

### GL fittings, PTFE BOLA

Couplings with GL connector screwthread. Connect PTFE, PFA, FEP, glass and metal tubing. Fittings are chemical and temperature resistant to approx. 250 °C. Can be used at working pressures of up to 10 bar when used in combination with Bola laboratory screwthread connections (at room temperature). A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters. For easy tubing connection we recommend accessory Bola Laboratory screwthread connectors which can be ordered separately.



9.207 113

Bore	Neck thread	Description	PK	Cat. No.
mm	GL			
6.5	14	straight	1	9.207 113
10.5	18	straight	1	9.207 114
14.5	25	straight	1	9.207 115
21.0	32	straight	1	9.207 116
32.5	45	straight	1	9.207 117
6.5	14	angled	1	9.207 118
10.5	18	angled	1	9.207 119
14.5	25	angled	1	9.207 120
21.0	32	angled	1	9.207 121
32.5	45	angled	1	9.207 122
6.5	14	T-shape	1	9.207 133
10.5	18	T-shape	1	9.207 134
14.5	25	T-shape	1	9.207 135
21.0	32	T-shape	1	9.207 136
32.5	45	T-shape	1	9.207 137



9.207 133

### GL stopcocks, PTFE BOLA

Stopcocks with cylindrical taps and GL screwthread made of pure PTFE, giving almost total chemical resistance. Can be used at working pressures of up to 6 bar when used in combination with Bola laboratory screwthread connections (at room temperature). A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters. For easy tubing connection we recommend accessory Bola laboratory screwthread connectors - please order separately.



9.207 153

Description	Bore diam.	Neck thread		PK	Cat. No.
		mm	GL		
2-way	4		14	1	9.207 153
2-way	6		18	1	9.207 154
2-way	8		25	1	9.207 155
3-way, L-shape key bore	4		14	1	9.207 156
3-way, L-shape key bore	6		18	1	9.207 157
3-way, L-shape key bore	6		25	1	9.207 158



9.207 156





9.209 851

### Bottle distributors

With GL-threaded necks and screw caps. Suitable for GL45 threaded bottles. The distributors are ideal for decanting liquids, whereby the necks are connected either to a liquid source or to an excess pressure or vacuum system (up to 8.5 mm max. tubing diameter). For hassle-free connection, we recommend the Bola threaded connector (please order separately) in accordance with the outer diameter of the tubing.

BOLA

Thread	Material	Neck	Description	PK	Cat. No.
GL 45	PP	3 x GL 14		1	9.209 849
GL 45	PFA	2 x GL 14		1	9.209 851
GL 45	PTFE	3 x GL 14		1	9.209 852
GL 45	PTFE	2 x GL 14	with stopcocks	1	6.226 261
GL 45	PTFE	3 x GL 14	with stopcocks	1	6.234 542
GL 25	PTFE	2 x GL 14		1	6.251 480
GL 32	PTFE	2 x GL 14		1	7.638 423
GL 45	PTFE	3 x GL 18		1	9.209 844
GL 45	PTFE	2 x GL 25		1	6.226 262
GL 45	PTFE	4 x GL 25		1	6.233 165



7.634 892

### Flexible Distributors, PP

For connecting elastic tubing by simply slipping it onto hose connectors. Suitable for GL45 threaded bottles. With screw cap made of glass-fibre reinforced PP, ideal for transferring liquids or gases. The angled tubing connectors can be attached to a liquid source, a pressure source or a vacuum system. Avoid crimping of the tubing. The distributor can be loosened by simply turning the screw cap. The complete distribution system can then be fixed onto another bottle.

BOLA

For tubing bore mm	number of nozzles	PK	Cat. No.
6 - 9	2	1	7.634 892
6 - 9	3	1	9.209 858
7 - 11	2	1	9.209 859



### 2-way /3-way valves Laboplast®

Bürkle



Resistant to compression max. 1 bar.

- PVDF: excellent chemical resistance, transparent, suitable for food
- PP/PE: for industrial use, red/white
- Operating temperature: PVDF 0 to 40 °C, PP/PE 5 to 40 °C

For tubing bore mm	Description	Valve bore mm	Material	PK	Cat. No.
5 to 7	2-way	4	PVDF	1	9.116 771
7 to 9	2-way	6	PVDF	1	9.116 772
9 to 11	2-way	8	PVDF	1	9.116 773
11 to 13	2-way	8	PVDF	1	9.116 775
5 to 7	2-way	4	PE / PP	1	9.116 781
7 to 9	2-way	6	PE / PP	1	9.116 782
9 to 11	2-way	8	PE / PP	1	9.116 783
11 to 13	2-way	8	PE / PP	1	9.116 784
5 to 7	3-way	4	PVDF	1	9.116 776
7 to 9	3-way	6	PVDF	1	9.116 777
9 to 11	3-way	8	PVDF	1	9.116 778
11 to 13	3-way	8	PVDF	1	9.116 780
5 to 7	3-way	4	PE / PP	1	9.116 786
7 to 9	3-way	6	PE / PP	1	9.116 787
9 to 11	3-way	8	PE / PP	1	9.116 788
11 to 13	3-way	8	PE / PP	1	9.116 789



# 1. General laboratory consumables

## Tubing/Adapters, Clips, Clamps

### 1 Mini tubing connectors, PP

Type	For tubing bore mm	PK	Cat. No.
Straight, AA	1.6	1	9.207 291
Straight, DD	2.5	1	9.207 292
Straight, CC	3.2	1	9.207 293
Straight, 4040	4.0	1	9.207 801
T-shape, T10	1.6	1	9.207 294
T-shape, T20	2.5	1	9.207 295
T-shape, T30	3.2	1	9.207 296
T-shape, T40	4.0	1	9.207 811
T-shape, T50	5.0	1	9.207 812
T-shape, T60	6.5	1	9.207 813
L-shape, L10	1.6	1	9.207 821
L-shape, L20	2.5	1	9.207 822
L-shape, L30	3.2	1	9.207 823
Y-shape, Y210	1.6	1	9.207 831
Y-shape, Y220	2.5	1	9.207 832
Y-shape, Y230	3.2	1	9.207 833
Reduction adapter, AD	1.6 - 2.5	1	9.207 297
Reduction adapter, AC	1.6 - 3.2	1	9.207 298
Reduction adapter, 1040	1.6 - 4.0	1	9.207 834
Reduction adapter, 1050	1.6 - 5.0	1	9.207 835
Reduction adapter, DC	2.5 - 3.2	1	9.207 299
Reduction adapter, 2040	2.5 - 4.0	1	9.207 841
Reduction adapter, 2050	2.5 - 5.0	1	9.207 842
Reduction adapter, 3040	3.2 - 4.0	1	9.207 843
Reduction adapter, 3050	3.2 - 5.0	1	9.207 844
Reduction adapter, 3060	3.2 - 6.5	1	9.207 845
Reduction adapter, 4050	4.0 - 5.0	1	9.207 846
T-reduction adapter, T230/210	1 x 1.6, 2 x 3.2	1	9.207 865
T-reduction adapter, T230/220	1 x 2.5, 2 x 3.2	1	9.207 866
T-reduction adapter, T210/220	1 x 2.5, 2 x 1.6	1	9.207 867
T-reduction adapter, T220/230	1 x 3.2, 2 x 2.5	1	9.207 869
Straight, threaded, M6210	1.6	1	9.207 871
Straight, threaded, M6220	2.5	1	9.207 872
Straight, threaded, M6230	3.2	1	9.207 873
Straight, threaded, M6240	4.0	1	9.207 874
Straight, threaded, M6250	5.0	1	9.207 875

Other materials on request!

### 1



### 2 Tubing connectors, TPX

Type	For tubing bore mm	PK	Cat. No.
C-1, straight	3-5	1	9.207 601
C-2, straight	5-8	1	9.207 602
Y-1, Y-shape	3-5	1	9.207 611
Y-2, Y-shape	5-8	1	9.207 612
T-1, T-shape	3-5	1	9.207 621

### 2



### 3 Tubing connectors, PP

Transparent, PP. Straight, BRAND

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	47	1	9.207 163
6 to 10	55	1	9.207 165
9 to 13	57	1	9.207 168

### 3



### 4 Tubing connectors, PP

Transparent, PP. Straight. Used to link tubing of different diameters. BRAND

For tubing bore mm	Length mm	PK	Cat. No.
5 to 17	110	1	9.207 270

### 4



### 5 Reduction adapters, PP

Transparent, PP. BRAND

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5 / 6 to 10	55	1	9.207 336
6 to 10 / 9 to 13	59	1	9.207 340

### 5



➔ Glass connectors please see page 645.



### 1 Reduction adapters, HDPE

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
8 to 10/11 to 14	66	1	9.207 356
12 to 14/18 to 20.5	73	1	9.207 357



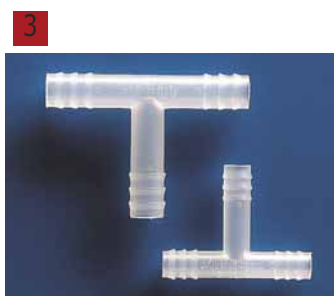
### 2 L-tubing connectors, PP

Kartell



Transparent, PP. L-shape. Autoclavable.

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	15	1	9.207 251
5	21	1	9.207 252
6 to 7	25	1	9.207 253
8 to 9	30	1	9.207 254
10 to 11	36	1	9.207 255
12 to 13	42	1	9.207 256
14 to 15	48	1	9.207 257



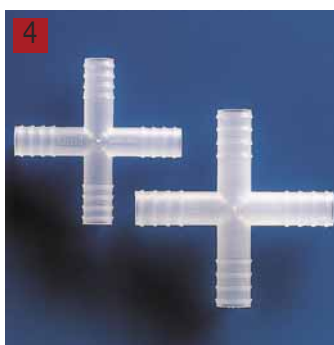
### 3 Tubing connectors, PP

Kartell



PP. T-shape. Autoclavable.

For tubing bore mm	Length mm	PK	Cat. No.
3 - 4	20	1	9.207 182
4 - 5	30	1	9.207 183
6 - 7	40	1	9.207 184
8 - 9	55	1	9.207 185
10 - 11	69	1	9.207 189
12 - 13	79	1	9.207 190



### 4 4 way connectors, PP

Kartell



Autoclavable.

Diam. mm	Tubing i.d. mm	PK	Cat. No.
3.5	1.5	1	9.207 241
6.0	2.7	1	9.207 242
8.0	4.6	1	9.207 243
10.0	7.0	1	9.207 244
12.0	8.0	1	9.207 245
13.5	9.5	1	9.207 246
15.0	11.6	1	9.207 247



### 5 Y-tubing connectors, PP

Kartell



Transparent, PP. Y-shape. Autoclavable.

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	24	1	9.207 200
4 to 5	35	1	9.207 203
6 to 7	54	1	9.207 205
8 to 9	64	1	9.207 207
10 to 11	74	1	9.207 208
12 to 13	87	1	9.207 210

# 1. General laboratory consumables

## Tubing/Adapters, Clips, Clamps

### 1 120° Y connectors, PP



Kartell

Autoclavable.

Diam. mm	Tubing i.d.	PK	Cat. No.
min./max.	mm		
4/5/6	1.5	1	9.207 231
6/7/8	2.7	1	9.207 232
8/9/10	4.7	1	9.207 233
10/11/12	5.5	1	9.207 234
12/13/14	7.6	1	9.207 235
14/15/16	9.6	1	9.207 236



### 2 Tubing connectors, PP



Kartell

PP. Straight. White. Autoclavable.

For tubing bore mm	Length mm	PK	Cat. No.
4 to 5	39	1	9.207 221
5 to 7	52	1	9.207 222
7 to 9	59	1	9.207 223
9 to 11	59	1	9.207 224
11 to 13	66	1	9.207 225
13 to 15	66	1	9.207 226



### 3 Plug tubing connectors, PE

PE. Comprising of two pull-apart sections, similar to conical ground joint. Not suitable for high pressure applications.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	57	1	9.207 261
5 to 7	65	1	9.207 262
7 to 9	70	1	9.207 263
9 to 12	75	1	9.207 264
11 to 14	80	1	9.207 265
14 to 16	85	1	9.207 266



### 4 Non-return valves, HDPE

HDPE. FKM (Viton®) valve disc. Not suitable for pressure applications.

BRAND

Int. diam. mm	Length mm	PK	Cat. No.
6 to 9	80	1	9.303 039



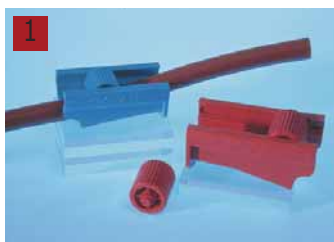
### 5 Non-return valves, PP

Prevents water back-flow when pressure falls. Useful for any tubing system and vacuum line. Maximum safe working pressure: 2 bar, minimum: 0.07 bar at room temperature (20 °C).

Kartell

Int. diam. mm	PK	Cat. No.
8-10	1	9.303 028
10-15	1	9.303 029





### 1 Keck tubing clamps KT

Thermoplastic polyester (PBT). Continuous control of flow rate in tubing with just one finger.

For external tube diam.	Colour	PK	Cat. No.
mm			
4.5	red	1	9.205 904
6.0	yellow	1	9.205 906
10.0	blue	1	9.205 910
14.0	red	1	9.205 914



9.180 210

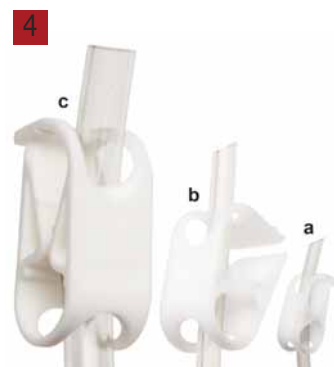
### WILO- Curved tubing clamps

SK range. Steel. Large, plastic knurled nut with embedded brass screwthread insert which closes a metal bracket onto the curved tubing stirrup. Clamping range 10 mm to 30 mm. Temperature resistant up to 150 °C. Knurled nut made of aluminum or moulded plastic.



9.180 215

Jaw opening mm	Colour	PK	Cat. No.
10	aluminum	1	9.180 210
15	black	1	9.180 215
20	black	1	9.180 220
30	black	1	9.180 230



### 4 Tubing clamps, Acetal

Bel-Art Products



Resistant to deformation and corrosion. Autoclavable. Mini-Clamp: Single position on/off clamp. Use for thin-walled tubing with outer diameter up to 4.7 mm. Mid-Range Clamp: Adjustable in 15 positions. Suitable for tubing with outer diameter from 3.2 to 11 mm. Maxi Clamp: Adjustable in 12 positions. Suitable for tubing with outer diameter up to 19 mm.

Description	Figure	PK	Cat. No.
Tubing clamp, mini	a	100	6.301 574
Tubing clamp, mid-range	b	12	9.205 918
Tubing clamp, maxi	c	6	6.254 275



### 5 Tubing clamp, Acetal

Bel-Art Products



Clamp is molded of strong, durable plastic with serrated jaws 27 mm long. Attach at any point on tubing without disconnecting tubing. Designed to be operated with one hand, the clamp locks closed and opens when the locking tab is released.

- Autoclavable
- One hand open and close operation
- For use on tubing with a wall thickness of 0.82 mm or thinner
- When not in use, the circular opening (approximately 6 mm diameter) at hinge end allows clamp to remain attached to tubing having 6-10 mm OD with little to no restriction in flow
- Overall length is 59 mm

Type	PK	Cat. No.
Tubing clamp	12	6.200 838

# 1. General laboratory consumables

## Tubing/Adapters, Clips, Clamps

### 1 2 Curved tubing clamps stop-it, PVDF

Stepless flow regulation. The micro setting screw allows very fine stepless flow control, the flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area in order to prevent it from being damaged. Easy-Click closure - Stopper can be opened and closed in any position - without tiresome screwing on and off. Stopper is with up to 140 °C heat-resistant and chemical resistant plastic PVDF, the clamp is galvanised steel. Available in 3 sizes for hose diameters up to 20 mm.

Bürkle



Colour	To fit tubing mm	PK	Cat. No.
red	0.5 to 10	1	9.303 775
red	0.5 to 15	1	9.303 776
red	1.0 to 20	1	9.303 777
yellow	0.5 to 10	1	9.303 778
yellow	0.5 to 15	1	9.303 779
yellow	1.0 to 20	1	9.303 780
blue	0.5 to 10	1	9.303 781
blue	0.5 to 15	1	9.303 782
blue	1.0 to 20	1	9.303 783
green	0.5 to 10	1	9.303 784
green	0.5 to 15	1	9.303 785
green	1.0 to 20	1	9.303 786



### 3 4 Tubing clamps stop-it, Metall

Tubing clamps can regulate or stop the flow through of tubings that carry fluids or gases. Stepless flow regulation: The knurled screw allows very fine stepless flow control. The flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area, in order to prevent it from being damaged, stop-it can be mounted on hoses after they have been connected. stop-it metal is extremely heat resistant and robust due to the steel and aluminum. The hose clamp is available in four different sizes up to a maximum hose diameter of 30 mm.

Bürkle



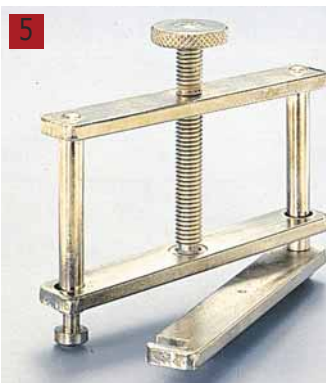
To fit tubing mm	PK	Cat. No.
0.5 to 10	1	9.303 787
0.8 to 15	1	9.303 788
1.1 to 20	1	9.303 789
2.5 to 30	1	9.303 790



### 5 Tubing clips, Hofmann pattern

Brass nickel plated. Bottom hinged.

Clamping range mm	PK	Cat. No.
12	1	9.180 112
17	1	9.180 117
20	1	9.180 120
25	1	9.180 125
30	1	9.180 130
40	1	9.180 140
50	1	9.180 142



### 6 Tubing clips, Mohr pattern

Nickel plated. Spring pinchclip.

Length mm	PK	Cat. No.
40	1	9.180 040
50	1	9.180 050
60	1	9.180 060
70	1	9.180 070
80	1	9.180 080



### 7 Tubing clamps

Peann pattern. Polished stainless steel. For clamping tubing.

Bochem

Length mm	PK	Cat. No.
140	1	9.180 199
160	1	9.180 200
180	1	9.180 201





### 1 Tubing clamps

Hose clips, with hexagonal head.

Jaw opening mm	Material	PK	Cat. No.
5.5 ... 10	Chrome-nickel steel	1	9.207 510
8.5 ... 12	Chrome-nickel steel	1	9.207 512
9.5 ... 14	Chrome-nickel steel	1	9.207 514
12 ... 17	Chrome-nickel steel	1	9.207 517
16 ... 21	Chrome-nickel steel	1	9.207 521
20 ... 25	Chrome-nickel steel	1	9.207 525
24 ... 29	Chrome-nickel steel	1	9.207 529



### 2 Worm drive tubing clamps

To DIN 3017. Chrome steel 1.4016. With galvanized, worm drive screw.

Jaw opening mm	Band-width mm	PK	Cat. No.
7 to 11	5.0	1	9.207 435
11 to 19	5.0	1	9.207 436
8 to 12	7.5	1	9.207 437
10 to 16	7.5	1	9.207 439
12 to 22	9.0	1	9.207 440
16 to 25	9.0	1	9.207 445
20 to 32	9.0	1	9.207 452
25 to 40	9.0	1	9.207 460
32 to 50	9.0	1	9.207 465
40 to 60	9.0	1	6.241 130



### 3 Herbie tubing clamps

Beetle nylon 6.6. Simple to assemble by pressing together without the need for tools. Quick to detach with side dislocation. Good chemical resistance. Temperature resistant from -40 °C to +170 °C. Longterm temperature 125 °C, shortterm temperature 170 °C.

Type	Jaw opening mm	PK	Cat. No.
AA	6.5 to 7.9	1	9.207 707
B	7.9 to 9.2	1	9.207 708
BB	9.2 to 10.3	1	9.207 709
C	10.2 to 11.8	1	9.207 710
D	12.0 to 13.8	1	9.207 712
E	13.1 to 15.1	1	9.207 713
F	15.0 to 17.1	1	9.207 715
G	16.9 to 19.1	1	9.207 717
H	18.1 to 20.6	1	9.207 718
I	20.3 to 23.0	1	9.207 720
K	22.2 to 24.9	1	9.207 722
L	24.5 to 27.6	1	9.207 725



### 4 Tubing clamps POM

Hose clips made of Polyacetal (POM).

Bürkle

Jaw opening mm	PK	Cat. No.
6.0 to 6.5	10	6.052 587
9.0 to 10	10	6.052 588
10.0 to 11	10	6.052 589
11.0 to 12	10	6.052 590
12.0 to 14	10	6.052 591
13.0 to 15	10	6.052 592
15.0 to 17	10	6.052 593
17.0 to 19	10	6.052 594
18.0 to 20	10	6.052 595
20.0 to 22	10	6.052 596
23.0 to 25	10	6.052 598



# 1. General laboratory consumables

## General laboratory aids/Labels

### 1 Indicator Tape, Comply™

Lead free version available now. 3M Deutschland  
 Semi-crepe paper. Self adhesive. Very good adhesion on various soft packagings.  
 Tape stretches to minimize tape pop-off, which reduces need for re-sterilization due to packs opening during processing. Accepts handwriting and labelling for easy use and better record keeping.  
 Supplied in a roll of 55 m or strips of 200 mm.

Type	For	Size	PK	Cat. No.
Comply™	Dry-Heat Sterilisation	19 mm x 55 m	1	9.140 783
Comply™ lead free	Steam Sterilisation	18 mm x 55 m	1	9.140 786



### 2 Adhesive parcel tape tesapack® 4124

tesapack® 4124, transparent.

Description	Width mm	Length m	PK	Cat. No.
Adhesive parcel tape	25	66	1	9.140 814
Adhesive tape dispenser	25		1	9.140 815



### 3 Adhesive parcel tape tesapack® 4024

Strong, brown tape.

Width mm	Length m	PK	Cat. No.
50	66	1	9.140 813



### 4 Adhesive tape dispenser tesa® 6285

For sealing cardboard boxes, using accessory tesapack®, tesafilm® or tesakrepp® sealing materials.

Width mm	PK	Cat. No.
50	1	9.140 817



## General laboratory aids/Labels

**1**


### 1 LLG-Labeling tapes

**NEW**

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.

Width mm	Colour	PK	Cat. No.
12.7	white	6	4.663 401
12.7	yellow	6	4.663 402
12.7	green	6	4.663 403
12.7	red	6	4.663 404
12.7	orange	6	4.663 405
12.7	blue	6	4.663 406
12.7	pink	6	4.663 407
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
19.0	white	4	4.663 409
19.0	yellow	4	4.663 410
19.0	green	4	4.663 411
19.0	red	4	4.663 412
19.0	orange	4	4.663 413
19.0	blue	4	4.663 414
19.0	pink	4	4.663 415
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
25.4	white	3	4.663 417
25.4	yellow	3	4.663 418
25.4	green	3	4.663 419
25.4	red	3	4.663 420
25.4	orange	3	4.663 421
25.4	blue	3	4.663 422
25.4	pink	3	4.663 423
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

**2**


### 2 Adhesive label tape Write-on™, writable

*Bel-Art Products*


Specially coated plastic tape with adhesive backing. Makes labels of any length. Can be used with any pens. Excellent adhesion to glass, metal, PE, etc. Resistant to humidity, as well as acids and alkali solutions in weak concentrations. Leaves no residue when removed.

Temperature resistance  
 up to 157 °C: 30 min  
 up to 80 °C: 24 h  
 Resistant to -80 °C.  
 Autoclavable at 121 °C.

Colour	Width mm	Length m	PK	Cat. No.
white	12.7	36.4	1	9.040 379
white	19.0	36.4	1	9.040 380
white	25.4	36.4	1	9.040 381
white	12.7	54.6	1	9.040 351
white	19.0	54.6	1	9.040 352
white	25.4	54.6	1	9.040 353
red	12.7	36.4	1	9.040 336
red	19.0	36.4	1	9.040 341
red	25.4	36.4	1	9.040 346
yellow	12.7	36.4	1	9.040 337
yellow	19.0	36.4	1	9.040 342
yellow	25.4	36.4	1	9.040 347
green	12.7	36.4	1	9.040 338
green	19.0	36.4	1	9.040 343
green	25.4	36.4	1	9.040 348
blue	12.7	36.4	1	9.040 339
blue	19.0	36.4	1	9.040 344
blue	25.4	36.4	1	9.040 349
orange	12.7	36.4	1	9.040 340
orange	19.0	36.4	1	9.040 345
orange	25.4	36.4	1	9.040 350

# 1. General laboratory consumables

## General laboratory aids/Labels

### 1 Adhesive tape dispenser Write-On™ Economy

Provides a smooth writing surface, making labeling easy and fast. When marked tape is advanced and cut off on the serrated edge, a fresh length of label tape is positioned on the writing platform. Plastic cutting edge is moulded into the housing. Various widths and colours of tape rolls can be mixed together on the spindles, which accommodates 5 or more 12 to 19 mm narrow rolls or 4 x 25 mm wide rolls. Spindles are easily removed from the unit for loading and unloading and can be adjusted to hold either 25 or 75 mm core diameter rolls.

*Bel-Art Products*

- Includes three plastic separating discs to assure smooth, snag free dispensing for up to four rolls of tape (additional discs on request).
- Moulded-in pen holder wells on the dispenser help to keep writing instruments handy
- Ideal for use with the full line of Write-On™ Tapes, which are available in 6 colors and 3 widths.
- Includes mounting holes for secure attachment to a benchtop (screws not included).  
Can also be attached to vertical surfaces using Wall Mount Adapter
- Dimensions (W x D x H): 302 x 143 x 105 mm



**Items supplied:** Adhesive tape dispenser incl. 1 roll of 12 mm white Write-On™ Labeling Tape

Type	PK	Cat. No.
Write-On™ Economy	1	9.040 389

### 2 Adhesive tape dispenser

Suitable for holding and releasing the tape to be cut to users desire. The core perfectly fits to the inner diameter of the tape and keeps the tape rigid. Platform includes a writing surface. Finger holes on the platform enables quick release of the tape and accelerates the cutting step. Featured with a cut-off edge for efficient cutting of the tape. A weighted base with non-skid pads prevent sliding or lifting.

*ISOLAB*

Overall dimensions: 155 x 250 x 100 mm.  
Cutting platform dimensions: 155 x 110 mm.



Type	PK	Cat. No.
Adhesive tape dispenser	1	6.286 759

### 3 Adhesive label tape

Manufactured from colored paper with special resin adhesive that resists to moisture and most solvents. Can be used between -5 to 110 °C temperature range. Also withstands steam autoclaving cycle and gamma irradiation. Adheres to any clean surface including PTFE coated surfaces and peels off without leaving any sticky residue. Accepts writing from almost all pen types such as pencil, ball point pen, solvent ink marker etc. Markings remain absolutely legible under the most demanding laboratory conditions.

*ISOLAB*

Supplied as white, color or as pack of 6 different colors matching the universal hazard color codes yellow for chemical reactivity, blue for health hazards, green for safety, red for flammability, orange tape for biohazard and white for general use.

Rolls of 30 m.



Width mm	Colour	PK	Cat. No.
19	White	1	6.286 758
19	Yellow, blue, green, red, orange, white	6	6.286 757

### 4 Adhesive labels

Manufactured from polypropylene flexible paper with acrylic resin adhesive back. This unique combination does not expand and retract together with temperature fluctuations and therefore always guarantees a strong adhesive bond. Chemically inert, resists to water, moisture and most organic solvents and caustic agents. Can be used between -96 to + 121 °C temperature range. Also withstands steam autoclaving cycle and gamma irradiation Adheres to any clean surface including PTFE coated surfaces without cracking, peeling and degrading. Peels off without leaving any sticky residue.

*ISOLAB*



Length mm	Width mm	PK	Cat. No.
30	50	1000	6.286 760
72	40	1000	6.286 761
90	50	1000	6.286 762

# 1. General laboratory consumables

## General laboratory aids/Labels

1



### 1 Adhesive Labels, white

Self-adhesive labels for hand lettering or print on printing presses. Mounted true to register on sheets with gripper and feeder margin. Each pack contains 2 extra sheets for setting-up operations. Format of the sheets 168 x 120 mm. Length varies in accordance with label size. The sheet sizes and register, however, are absolutely identical for each type. Not suitable for PC printers.

- Made of wood-free paper (75 g/qm)
- Chlorine-free bleached, PEFC-certified
- Solvent-free adhesive

Width mm	Length mm	PK	Cat. No.
12	30	10000	9.040 612
13	40	5000	9.040 614
16	22	10000	9.040 616
19	40	5000	9.040 618
20	50	5000	9.040 620
25	40	5000	9.040 625
34	53	2500	9.040 635
34	67	1000	9.040 636
52	82	1000	9.040 652

2



### 2 Deep freeze labels, white

Self-adhesive deep-freeze labels on A4 sheets. Perfect for all PC printers (laser/inkjet/dot-matrix), copiers and multi-functional machines. Suitable for colour printers and copiers.

- Chlorine-free bleached special paper, PEFC-certified
- Solvent-free adhesive
- Label paper and adhesive are extremely resistant to temperatures (down to -60 °C, Min. adhesive temperature: -25 °C)
- Good adhesive properties at normal temperatures

Width mm	Length mm	PK	Cat. No.
38.1	21.2	25	6.201 004
66.0	33.8	25	6.201 005

3



### 3 Deep freeze labels

Manufactured from polyfiber grade flexible paper with acrylic resin adhesive back. This unique combination expands and retracts together with temperature fluctuations and always guarantees a strong adhesive bond. Chemically inert, resists to water, moisture and most organic solvents and caustic agents. Can be used between -196 to +80 °C temperature range. Sticks to any clean surface including PTFE coated surfaces without cracking, peeling and degrading. Peels off without leaving any sticky residue. Recommended to be used on tube caps with different diameters.

ISOLAB

Supplied as white color or pack of 6 different colors matching the universal hazard color codes (yellow for chemical reactivity, blue for health hazards, green for safety, red for flammability, orange tape for biohazard and white for general use).

Diam. mm	Colour	For vessels	PK	Cat. No.
9.5	white	0.5 ml Tubes	1000	6.286 763
9.5	yellow, blue, green, red, orange, white	0.5 ml Tubes	6000	6.286 764
13.0	white	1.5/2.0 ml Tubes	1000	6.286 765
13.0	yellow, blue, green, red, orange, white	1.5/2.0 ml Tubes	6000	6.286 766
19.0	white	15 ml Tubes	500	6.286 767
25.0	white	50 ml Tubes	500	6.286 768

# 1. General laboratory consumables

## General laboratory aids/Labels

### 1 Labels

Manufactured from polyfiber grade flexible paper with acrylic resin adhesive back. This unique combination expands and retracts together with temperature fluctuations and always guarantees a strong adhesive bond. Chemically inert, resists to water, moisture and most organic solvents and caustic agents. Can be used between -40 to +121 °C temperature range. Also withstands steam autoclaving cycle and gamma irradiation. Adheres to any clean surface including PTFE coated surfaces without cracking, peeling and degrading. Peels off without leaving any sticky residue. Recommended to be used on flat or round surfaces with different diameters. Supplied as 1000 label rolls packed in a dispenser box for practical use.

ISOLAB



Dimensions (W x D) mm	Colour	For vessels	PK	Cat. No.
24 x 13	white	0.5 ml Tubes	1000	6.286 834
24 x 13	yellow, blue, green, red, orange, white	0.5 ml Tubes	6000	6.286 835
33 x 13	white	1.5/2.0 ml Tubes	1000	6.286 836
33 x 13	yellow, blue, green, red, orange, white	1.5/2.0 ml Tubes	6000	6.286 837
38 x 19	white	general purpose	1000	6.286 838

### 2 Label Dispenser for Deep freeze labels

Perfect organizer for fast and efficient use of labels. Manufactured from clear acrylic and holds 6 label box. Drop the label box in the label dispenser and feed the paper through the slot. The writing surface enables easy and clean writing on the label. The sharp cutting edge helps to tear off the labels. A weighted base with nonskid pads prevents sliding or lifting. The article is delivered without pen.

ISOLAB



Type	PK	Cat. No.
Label Dispenser for Deep freeze labels	1	6.286 769

### 3 Deep freeze labels TOUGH-SPOTS®

Pre-cut Peel-off round lables for 0.5 and 1.5/2.0 ml microcentrifuge tube tops. Temperature resistant from -196 °C to 80 °C. Easy to write on: PVC labels accept writing from most lab markers. Convenient: Dispensing box assists in labeling individual tubes used in small experiments.

Heathrow Scientific



Colour	Diam. mm	For vessels	PK	Cat. No.
White	9.5	0.5 ml Tubes	1000	9.040 711
Blue	9.5	0.5 ml Tubes	1000	9.040 712
Green	9.5	0.5 ml Tubes	1000	9.040 713
Red	9.5	0.5 ml Tubes	1000	9.040 714
Yellow	9.5	0.5 ml Tubes	1000	9.040 715
Pink	9.5	0.5 ml Tubes	1000	6.267 506
Coffee	9.5	0.5 ml Tubes	1000	6.267 517
Orange	9.5	0.5 ml Tubes	1000	6.267 518
White	13.0	1.5/2.0 ml Tubes	1000	9.040 716
Blue	13.0	1.5/2.0 ml Tubes	1000	9.040 717
Green	13.0	1.5/2.0 ml Tubes	1000	9.040 718
Red	13.0	1.5/2.0 ml Tubes	1000	9.040 719
Yellow	13.0	1.5/2.0 ml Tubes	1000	9.040 720
Lavendel	13.0	1.5/2.0 ml Tubes	1000	6.287 530

### 4 Deep freeze labels Cryo-Babies®/Cryo-Tags®

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

Heathrow Scientific



Type	Colour	Dimensions (W x D) mm	For vessels	PK	Cat. No.
Cryo-Babies®	White	24 x 13	0.5 ml tubes	1000	9.100 030
Cryo-Babies®	White	33 x 13	1.5/2.0 ml tubes	1000	9.100 031
Cryo-Tags®	White	38 x 13	General application	1000	9.100 032

➔ Cryogenic items - please see our chapter 7.



## General laboratory aids/Labels



### 1 Laser deep freeze labels Cryo-Babies®

Temperature resistant from -196 °C to +150 °C. All sheets withstand freezer temperatures down to -196 °C (liquid and vapor phase nitrogen), boiling water baths (100 °C), autoclaving and moderate oven temperatures (150 °C). Chemically inert label sheets resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Made with a flexible, polyfin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam in laser printers.

Heathrow Scientific

Type	Dimensions (W x D) mm	For vessels	PK	Cat. No.
Cryo-Babies®	24 x 13	0.5 ml tubes	2380	<b>6.284 640</b>
Cryo-Babies®	33 x 13	1.5/2.0 ml tubes	1700	<b>9.100 033</b>



### 2 Labels Tough-Tags®

Temperature resistant from -40 °C to +121 °C. Tough-Tags resist boiling water baths, autoclaving and moderate freezer temperatures. Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Tubes are pre-cut, peel-off labels which accept many marking instruments. They are perfectly sized to fit microcentrifuge tubes and other containers in the laboratory. Tubes labeled with Tough-Tags® easily slide in and out of centrifuge rotors without binding.

Heathrow Scientific

Colour	Dimensions (W x D) mm	For vessels	PK	Cat. No.
White	24 x 13	0.5 ml tubes	1000	<b>9.100 045</b>
White	24 x 13	0.5 ml tubes	2975	<b>6.282 716</b>
Blue	24 x 13	0.5 ml tubes	1000	<b>9.100 046</b>
Green	24 x 13	0.5 ml tubes	1000	<b>9.100 047</b>
Red	24 x 13	0.5 ml tubes	1000	<b>9.100 048</b>
Yellow	24 x 13	0.5 ml tubes	1000	<b>9.100 049</b>
White	33 x 13	1.5/2.0 ml tubes	2125	<b>6.900 300</b>
White	33 x 13	1.5/2.0 ml tubes	1000	<b>9.100 040</b>
Clear	33 x 13	1.5/2.0 ml tubes	1000	<b>6.200 977</b>
Blue	33 x 13	1.5/2.0 ml tubes	1000	<b>9.100 041</b>
Green	33 x 13	1.5/2.0 ml tubes	1000	<b>9.100 042</b>
Red	33 x 13	1.5/2.0 ml tubes	1000	<b>9.100 043</b>
Yellow	33 x 13	1.5/2.0 ml tubes	1000	<b>9.100 044</b>
White	38 x 6	Microplates	1000	<b>9.100 050</b>
White	21 x 7	PCR tubes	1500	<b>9.100 051</b>
White	38 x 19	General application	1000	<b>9.100 052</b>

3



9.412 810

### Label remover SOLVENT 50/SOLVENT 50 SUPER

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

CRC

SOLVENT 50 SUPER ist the label remover with brush and NSF K3-Registration for use in the food industry. The optimised formula has high dissolving capacity to remove paper labels and all kinds of adhesive residues.



H phrases: H222|H229|H315|H319|H336|H411|H317

4



6.270 569

Type	Capacity ml	PK	Cat. No.
Solvent 50, Spray can	200	1	<b>9.412 810</b>
Solvent 50 Super, Spray can, with dosing brush	200	1	<b>6.270 569</b>



# 1. General laboratory consumables

## General laboratory aids/Labels

### 1 BMP™21 Plus Hand-held label printer

Brady

The portable label printer BMP™21 Plus creates long lasting labels which adhere securely. Even under extremely demanding industrial applications the thermal transfer printer BMP™21 labels are pin sharp and clearly legible.

Key Features:

- Hard wearing design
- 203 dpi thermal transfer print
- Large LCD Display (3 lines of text, 1 line of icons)
- Left or right handed cutter activation
- Automatic data serialisation and built-in graphics and barcodes

1



Type	PK	Cat. No.
BMP™21 Plus	1	9.040 586

### 2 BMP™21-LAB Hand-held label printer

**NEW**  
Brady

The BMP21-LAB Portable Label Printer is an all-in-one labeller for research, academic and clinical labs. With label materials designed specifically for harsh environments, the BMP21-LAB printer can quickly and easily create legible labels for flat, curved or highly textured surfaces that stay stuck for years even when exposed to extreme temperatures and chemicals. It's durable (Lithium-ion battery) and easy to use (drop-lock-and-go cartridges, simple to operate, quick to print). 2 year Warranty.

Scope of delivery label printer BMP™21-LAB: printer + lanyard + instructions + label cassette

Scope of delivery Starter set BMP™21-LAB: Printer + Li-Ion accu + EU plug + lanyard + instructions + label cassette

2



Type	PK	Cat. No.
Label printer BMP™21-LAB	1	6.264 079
Starter set BMP™21-LAB	1	7.910 817

### 3 Accessories for BMP™21 Hand-held label printer

Brady

Description	PK	Cat. No.
Magnet	1	9.040 556
Tool	1	9.040 557
AC Adapter - Europe 220V	1	9.040 553
AC Adapter - UK 220V	1	9.040 554
AC Adapter - USA 110V	1	9.040 552

3



### Application Key for Brady labels

F =	Freezer (-70 °C)
N =	Liquid Nitrogen (-196 °C)
A =	Autoclave
H =	Hot Water Bath (100 °C)
S1 =	Self-laminating label
L =	Low-Profile (extremely thin)
V =	Vial Identification
S2 =	Slide Identification
P =	Plate Identification
G =	General Identification

### Brady labels Material overview

<b>Type B-499:</b>	Permanent adhesive, write-on capabilities
<b>Type B-461:</b>	Permanent adhesive - suitable for liquid nitrogen application if label material is wrapped around itself, as in self-lamination, write-on capabilities
<b>Type B-481:</b>	Clear polyester will remain resistant when exposed to xylene and other chemicals that are commonly used in the slide staining process.
<b>Type B-488:</b>	Permanent acrylic adhesive - ideal for flat surfaces, write-on capabilities, excellent solvent resistance and xylene resistance
<b>Type B-427:</b>	Permanent acrylic adhesive; self-laminating, write-on capabilities, suitable for liquid nitrogen application and can be used to ID a frozen vial if label material is wrapped around itself, as in self-lamination
<b>Type B-492:</b>	Label material that will adhere to frozen surfaces
<b>Type B-595:</b>	Mark aisles, passageways, storage locations, point out safety equipment, exits. Indoor/outdoor marking film, high gloss, durable, flexible. Temperature range: -40 °C to 82 °C, durability outdoors up to 10 years.

### Labels for BMP™21 Hand-held label printer

Black on white. Brady's laboratory labels are designed to withstand extreme laboratory environments. The labels are resistant against high/low temperatures, solvents and chemicals (Alcohol and DMSO).

Brady

Type	For	Width mm	Material	PK	Cat. No.
B-461	F N A H S1 L V S2	9.50	Polyester	1	9.040 562
B-461	F N A H S1 L V S2	12.70	Polyester	1	9.040 574
B-461	F N A H S1 L V S2	19.05	Polyester	1	9.040 575
B-499	F N A V P G	9.53	Nylon cloth	1	9.040 576
B-499	F N A V P G	12.70	Nylon cloth	1	9.040 577
B-499	F N A V P G	19.05	Nylon cloth	1	9.040 578
B-488	F A S2 P G	9.53	Polyester	1	9.040 579
B-488	F A S2 P G	12.70	Polyester	1	9.040 580
B-488	F A S2 P G	19.05	Polyester	1	9.040 581
B-427	F N S1 V S2 P G	19.05	Vinyl	1	9.040 582
B-427	F N S1 V S2 P G	25.40	Vinyl	1	9.040 583
B-427	F N S1 V S2 P G	30.48	Vinyl	1	9.040 584
B-427	F N S1 V S2 P G	38.10	Vinyl	1	9.040 585

1



### 1 Labels for Label Printer BMP21

Brady

Type	Width mm	Height mm	Colour	Material	PK	Cat. No.
M21-375-7425	9.53	6.4	black on white	PP	1	7.660 786
M21-500-7425	2.70	6.4	black on white	PP	1	7.660 784
M21-750-7425	19.05	6.4	black on white	PP	1	7.660 787

2



### 2 3 Laboratory markers edding 8014/8015 F

Edding

Fine nib for clear labelling on small surfaces. Particularly suited for smooth and transparent surfaces e.g. slides, reaction vessels, labware and labels. Quick-drying, smudge-proof, waterproof, lightfast and low-odour.

Tested quality: extreme resistance to abrasion and high temperatures - tested and approved by TÜV Saarland.

3



Type	Colour	Bullet Nib mm	PK	Cat. No.
8014	Black	1	10	4.667 514
8015 F	Black	0.75	10	4.678 202

# 1. General laboratory consumables

## General laboratory aids/Documenting

### 1 2 Permanent markers, edding 404/400

Permanent marker with very fine round tip. Low-odour, smudge-proof, water-resistant, quick drying, lightfast, refillable (only e-400). Replaceable tips. For labelling on almost all surfaces, including glass, metal and plastics. Alcohol-based ink without toluene/xylene.

*Edding*

Type	Colour	Line width mm	PK	Cat. No.
404	Black	0.75	10	4.667 507
404	Red	0.75	10	4.667 512
404	Blue	0.75	10	4.667 510
400	Black	1.00	10	4.667 505
400	Red	1.00	10	4.667 509
400	Blue	1.00	10	4.667 513



### 3 Permanent markers edding 3000

The classic with round tip. Line width approximately 1.5 to 3 mm. Low-odour, smudge-proof and water-resistant and quick drying. Refillable. Replaceable tips. For labelling, painting and writing on virtually all materials, including glass, metal and plastics. Alcohol-based ink without toluene/xylene. Colours as outlined below.

*Edding*

Description	Colour	PK	Cat. No.
3000	Black	10	4.667 506
3000	Red	10	4.667 508
3000	Blue	10	4.667 511
3000/4S Prof.	Black, Red, Blue, Green	1	7.673 256



### 4 Permanent marker Sharpie®

Dual-tip pen set (fine and extra fine), 8 colours (black, berry, lime, navy, orange, purple, sky blue, and turquoise). Suitable for colony counter count Cat. No. 9.521 783.

*Heathrow Scientific*

Description	PK	Cat. No.
Permanent marker Sharpie® Set	8	7.656 684



### 5 Lab markers, 1.0mm point

Writes on dry or wet surfaces including glass, plastic, china and metal. Colour does not run in water or alcohol when used normally, but can be washed off.

Colour	PK	Cat. No.
black	1	9.050 601
red	1	9.050 602
blue	1	9.050 603
green	1	9.050 604



### 6 CD/DVD/BD markers, edding 8400

Line width approx. 0.5 mm to 1 mm. Special marker for the careful and permanent labelling of CDs, DVDs and Blu-ray discs. Soft tip and special water-based ink (solvent-free) will not damage the sensitive surface of the data layer unlike alcohol-based ink. Ink is smudge-proof and water-resistant on drying.

*Edding*

Colour	PK	Cat. No.
Black	1	9.050 696
Red	1	6.205 732
Blue	1	6.207 025



### 7 Utility marker, sterile

The utility markers are suitable for marking labels and sample vessels. They contain disinfectant-resistant, non-toxic ink. 9 adhesive labels are included.

- Sterile
- Latexfree

Description	Colour	PK	Cat. No.
Fine tip	Black	50	6.311 273



## General laboratory aids/Documenting

**1**


### 1 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.

Type	Description	Colour	PK	Cat. No.
grid	100 pages	black	1	<b>9.050 750</b>
grid	200 pages	blue	1	<b>9.050 751</b>
lined	200 pages	red	1	<b>9.050 752</b>

**2**

**3**


### 2 3 Molecular model system miniDNA®/RNA Kits

The advanced miniDNA® system comprises colour-coded, abstract-shaped parts designed to represent the nitrogenous bases, pentagonal sugar and pyramidal phosphate components needed to make a double-helix model of DNA. The three hydrogen bonds that connect Cytosine to Guanine and the two that connect Thymine to Adenine are represented by the appropriate number of pegs.

Two DNA kits are available to make either a 12-layer (1 turn) or 22-layer (2 turns) DNA model. The models can be displayed on their stands, or unzipped into a ladder form to demonstrate the process of Replication.

A similar approach can be taken with the two RNA kits to model the process of Protein Synthesis.

Type	Description	PK	Cat. No.
miniDNA®	12-layer Kit	1	<b>6.261 370</b>
miniDNA®	22-layer Kit	1	<b>6.261 344</b>
RNA Kit	12-base Kit	1	<b>6.265 752</b>
RNA Kit	24-base Kit	1	<b>6.265 753</b>

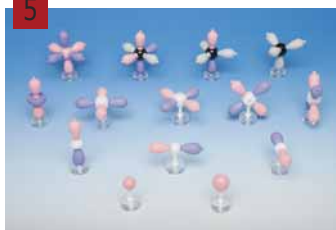
**4**


9.883 103

### 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.

Type	Description	PK	Cat. No.
Introductory Set	48 atoms, 62 links	1	<b>9.883 101</b>
Organic Set, large	111 atoms, 140 links	1	<b>9.883 103</b>
Biochemistry Set, large	257 atoms, 160 links	1	<b>9.883 107</b>
Organic Set, small	50 atoms, 64 links	1	<b>9.883 108</b>
Inorganic/Organic Set, small	51 atoms, 38 links	1	<b>9.883 109</b>
Inorganic/Organic Set, large	106 atoms, 86 links	1	<b>9.883 104</b>
Biochemistry Set, small	72 atoms, 40 links	1	<b>9.883 110</b>
Organic Set, Stereochemistry, large	168 atoms, 192 links	1	<b>7.981 659</b>
Organic Set, Stereochemistry, small	70 atoms, 92 links	1	<b>4.658 680</b>
Benzene, Ethane, Ethene, Ethyne	12 C atoms, 18 H atoms, 9 $\pi$ -bonds, 18 $\sigma$ -bonds	1	<b>9.883 111</b>
Atomic Orbital collection set	14 models	1	<b>6.280 325</b>
Shapes of Molecules	8 models	1	<b>6.280 326</b>
advanced level chemistry set	64 atoms, 38 links	1	<b>6.266 240</b>

**5**


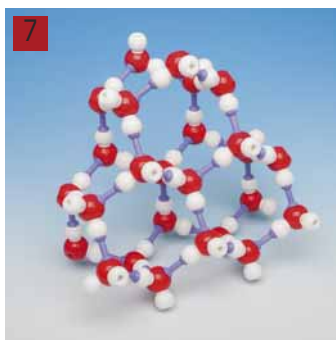
6.280 325

### 6 Molecular model system, Crystal structure Molymod®

Pre-assembled or to-be-assembled crystal structures of anorganic salts and elements.

Type	Description	PK	Cat. No.
Caesium chloride*	30 atoms	1	<b>4.658 681</b>
Calcium carbonate*	66 atoms	1	<b>4.658 682</b>
Calcium fluoride (Fluorite)*	30 atoms	1	<b>6.280 320</b>
Copper, iron, zinc*	40 atoms	1	<b>6.280 321</b>
Silicon dioxide	38 atoms	1	<b>4.658 683</b>
Sodium chloride	36 atoms	1	<b>4.658 684</b>
Sodium chloride	27 atoms	1	<b>9.883 114</b>
Carbon, Diamond	30 atoms	1	<b>9.883 112</b>
Carborundum	30 atoms	1	<b>4.658 685</b>
Graphite	45 atoms	1	<b>9.883 113</b>
Buckminster fullerene C60	60 atoms	1	<b>6.280 318</b>
Zinc sulphite	45 atoms	1	<b>4.658 686</b>
Water units (Ice)	26 units	1	<b>9.883 115</b>
Silicon Dioxide	66 atoms	1	<b>4.658 687</b>
Inorganic (sulphur)	24 atoms	1	<b>6.280 319</b>

\*pre-assembled

**7**


9.883 115

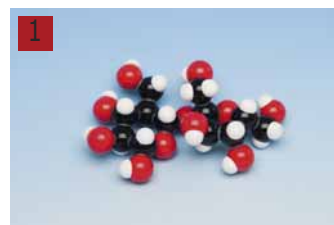
# 1. General laboratory consumables

## General laboratory aids/Documenting-Laboratory jacks

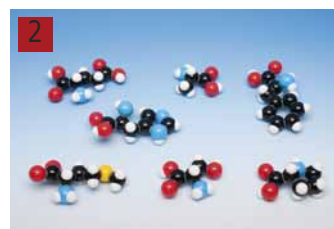
### Molecular model system, macromolecules, organic Molymod®

Monomeric units for the presentation of organic macromolecules.

Type	Description	PK	Cat. No.
PVC - Polyvinyl chloride	5 monomeric units	1	4.658 688
Polypropylene	5 monomeric units	1	4.658 689
Polystyrene	5 monomeric units	1	4.658 690
Polyester	5 monomeric units	1	4.658 691
Nylon 6.6	5 monomeric units	1	4.658 692
Glucose	2 molecules	1	4.658 693
Sucrose	1 molecule	1	4.658 694
Starch or Cellulose	3 Glucose Units	1	4.658 695
7 Amino acid Set	7 models	1	4.658 696
20 Amino acid Set	20 models	1	4.658 697
Polypeptide	5 peptide units	1	4.658 698
Protein-Beta pleated sheet	15 peptide units	1	4.658 699
Alpha Helix	15 peptide units	1	4.658 700
Amino acid	peptide upgrade 8 models	1	6.280 327



4.658 694



4.658 696

### 3 LLG-Laboratory jack, stainless steel

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

Width	Depth	Min. height	Max. height	Max. stat.	Max. dyn.	PK	Cat. No.
mm	mm	mm	mm	kg	kg		
200	200	60	270	30	7	1	9.117 220



### 4 Swiss Boy laboratory jacks, anodised aluminium.

Anodised aluminium. Corrosion proof, stable and easily adjustable. Upper and lower end positions are adjustable. At reaching the setting, the laboratory support stops automatically. In various colours as outlined below.

Colour	Width	Depth	Min. height	Max. height	Max. stat.	PK	Cat. No.
	mm	mm	mm	mm	kg		
Green	40	50	31	93	20	1	9.117 100
Blue	75	80	49	147	30	1	9.117 105
Pink	140	120	60	243	50	1	9.117 110
Gold	150	122	80	278	80	1	9.117 115
Light blue	216	180	95	398	90	1	9.117 116
Grey	320	240	120	500	90	1	9.117 118



Suitable accessories can be found in our online shop.

### 5 | 6 Laboratory jacks, aluminium

For those who wish to reach the top  
New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240 mm x 240 mm (Type A) have a simple adjusting wheel, which can be operated by hand.
- Bigger models from 300 mm x 300 mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.

Type	Width	Depth	Min. height	Max. height	Max. stat.	Max. dyn.	PK	Cat. No.
	mm	mm	mm	mm	kg	kg		
A	100	100	55	120	10	5	1	9.118 960
A	160	130	60	275	30	7	1	9.118 961
A	200	200	60	275	30	7	1	9.118 962
A	240	240	60	275	30	7	1	9.118 963
B	300	300	130	470	60	12	1	9.118 964
B	400	400	130	470	60	15	1	9.118 965
Ratchet		190					1	9.118 921

Bochem





# 1. General laboratory consumables

## General laboratory aids/Laboratory jacks

1



### 1 2 Laboratory jacks, aluminium anodized

Bochem

For those who wish to reach the top  
New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240 mm x 240 mm (Type A) have a simple adjusting wheel, which can be operated by hand.
- Bigger models from 300 mm x 300 mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.

2



Type	Width mm	Depth mm	Min. height mm	Max. height mm	Max. stat. kg	Max. dyn. kg	PK	Cat. No.
A	100	100	55	120	10	5	1	9.118 975
A	160	130	60	275	30	7	1	9.118 976
A	200	200	60	275	30	7	1	9.118 977
A	240	240	60	275	30	7	1	9.118 978
B	300	300	130	470	60	12	1	9.118 979
B	400	400	130	470	60	15	1	9.118 970
Ratchet		190					1	9.118 921

3



### 3 Laboratory jacks MAXI, aluminium

Bochem

For those who wish to reach the top:  
New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- The MAXI lab jacks offer 30 % more height because of an amplified construction
- Scissor-construction made of 18/10-stainless steel
- Adjustment of height with the help of an adjusting wheel.
- Ergonomic knob, rounded and user friendly
- Norms are according to DIN 12897.

Width mm	Depth mm	Min. height mm	Max. height mm	Max. stat. kg	Max. dyn. kg	PK	Cat. No.
130	160	75	400	30	7	1	9.118 946
200	200	75	400	30	7	1	9.118 947

4



### 4 5 Laboratory jacks, 18/10-stainless steel

Bochem

For those who wish to reach the top  
New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240 mm x 240 mm (Type A) have a simple adjusting wheel, which can be operated by hand.
- Bigger models from 300 mm x 300 mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.

5



Type	Width mm	Depth mm	Min. height mm	Max. height mm	Max. stat. kg	Max. dyn. kg	PK	Cat. No.
A	100	100	55	120	10	5	1	9.118 923
A	130	160	60	275	30	7	1	9.118 924
A	200	200	60	275	30	7	1	9.118 925
A	240	240	60	275	30	7	1	9.118 926
B	300	300	130	470	60	12	1	9.118 928
B	400	400	130	470	60	15	1	9.118 929
Ratchet		190					1	9.118 921



# 1. General laboratory consumables

## General laboratory aids/Laboratory jacks-Stands, Fittings

### 1 Laboratory jacks MAXI, 18/10-stainless steel

For those who wish to reach the top:

New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- The MAXI lab jacks offer 30 % more height because of an amplified construction
- Scissor-construction made of 18/10-stainless steel
- Adjustment of height with the help of an adjusting wheel.
- Ergonomic knob, rounded and user friendly
- According to DIN 12897.

Bochem

1



Width mm	Depth mm	Min. height mm	Max. height mm	Max. stat. kg	Max. dyn. kg	PK	Cat. No.
130	160	75	400	30	7	1	6.225 931
200	200	75	400	30	7	1	9.118 945

### 2 Laboratory jacks with hydraulic drive, stainless steel

- Easy and safe lifting
- With ball-bearings in the guide rails
- Stable, parallel movement

Alternative stainless steel versions available on request.

Max. kg	Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
25	200	230	91	285	1	9.118 980
25*	200	230	91	285	1	9.118 971
25**	200	230	91	285	1	9.118 981
15	200	230	108	393	1	9.118 982
25	300	300	91	285	1	9.118 983
25*	300	300	91	285	1	9.118 984

\* With safety lowering device

\*\*High-grade steel, except the pump unit

Juchheim Laborgeräte

2

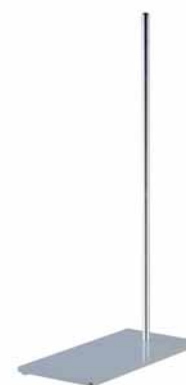


### 3 Rectangular retort stand bases, enamel, coated steel plate

Highly stable laboratory stand due to the steel rectangular base which is stove enamel coated. With an M10 threaded hole in the middle of one short side. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Width mm	Depth mm	Weight g	PK	Cat. No.
130	210	1725	1	6.242 701
150	300	2830	1	4.008 486
200	315	4000	1	4.008 487

3



### 4 Retort stand bases

Lacquered steel with green finish, M10 thread hole on one short side, 1 foot adjustable.

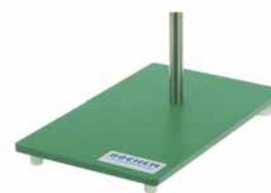
To DIN 12892. Laboratory stands are supplied without support rod.

Please select the suitable rod from "support rods".

Width mm	Depth mm	Thickness mm	Weight g	PK	Cat. No.
100	180	6	800	1	6.900 197
130	210	6	1300	1	6.077 706
160	250	6	2000	1	6.077 369
150	300	6	2200	1	6.072 019
200	315	6	3000	1	9.224 041
130	210	8	1800	1	9.224 042
160	250	8	2600	1	9.224 043
200	315	8	4000	1	9.224 044
200	315	10	5000	1	9.224 045

Bochem

4



## General laboratory aids/Stands, Fittings



### 1 Laboratory stand

Same rod can be placed either at the centre or at the rear of the base offering multi advantages. White base colour guarantees perfect visual observation of colour changes during titration applications.

ISOLAB

- Rectangular base made of ABS.
- Delivered complete with a screw-in M10 support rod of 600 mm height

Plate format mm	PK	Cat. No.
175 x 300	1	6.243 692



### 2 Retort stand bases, Steel

Steel, powder-coated. With an M10 bore hole in the middle of one of the shorter sides. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Juchheim Laborgeräte

Width mm	Length mm	Weight g	PK	Cat. No.
130	210	1800	1	6.301 718
150	300	2900	1	6.307 252
200	315	4100	1	6.074 044



### 3 Retort stand bases

To DIN 12892. Steel, powder-coated, 8 mm thick. Rubber feet. With an M10 bore hole in the middle of one shorter side.

Usbeck

Width mm	Length mm	PK	Cat. No.
100	180	1	7.200 420
130	210	1	9.224 013
160	250	1	6.076 836
150	300	1	9.224 015
200	315	1	9.224 017



### 4 Tripod retort stand bases chromated steel

Highly stable laboratory stand due to the steel tripod base which is stove enamel coated. With an M10 threaded hole in the middle. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Foot length mm	Weight g	PK	Cat. No.
115	805	1	4.008 488
150	1050	1	4.008 489



### 5 Retort stand base, tripod pattern

Cast iron varnished. Thread M10. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Bochem

Foot length mm	Weight g	PK	Cat. No.
105	1200	1	6.401 256
145	2000	1	6.084 197



### 6 Retort stand base, tripod pattern

Type 1: steel, thickness 10 mm, powdercoated, M 10 threaded, rubber feet  
Type 2: for rods up to 13 mm diam. hinged screw M 6

Usbeck

Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".

Foot length mm	Weight g	PK	Cat. No.
80	680	1	6.237 239
115	1000	1	9.224 051
150	1350	1	9.224 054
185	1700	1	6.902 265

# 1. General laboratory consumables

## General laboratory aids/Stands, Fittings

### 1 Table clamps for rods, malleable cast iron, coated

For table tops with a thickness of max. 55 mm. Rod diameter 12/13 mm.

Bochem

1



Description	PK	Cat. No.
Table clamps	1	6.089 284

### 2 Table clamp with hinged screws, aluminium alloy, powder-coated

For rods up to 13 mm diameter, for benches/worktops up to 60 mm thick.

Usbeck

2



Description	PK	Cat. No.
Table clamp with hinged screws	1	6.801 520

### 3 Support rods galvaniser steel

Galvanised steel. External diameter 12 mm. With or without M10 thread.

3



Type	Length mm	PK	Cat. No.
With thread	600	1	4.008 490
With thread	750	1	6.242 703
With thread	1000	1	4.008 491
With thread	500	1	9.224 105
With thread	600	1	9.224 106
With thread	750	1	9.224 107
With thread	1000	1	9.224 110
With thread	1250	1	7.095 411
With thread	1500	1	9.224 115
Without thread	500	1	6.701 307
Without thread	600	1	9.224 126
Without thread	750	1	9.224 127
Without thread	1000	1	9.224 130
Without thread	1250	1	6.081 670
Without thread	1500	1	9.224 135

### 4 Support rods 18/10 stainless steel

18/10 stainless steel. 12 mm external diameter.

4



Length mm	Ext. Thread diam. mm	PK	Cat. No.
600	12 M 10	1	4.008 492
750	12 M 10	1	4.008 493
1000	12 M 10	1	4.008 494
500	12 M 10	1	6.076 621
600	12 M 10	1	9.224 206
750	12 M 10	1	9.224 207
1000	12 M 10	1	9.224 210
1250	12 M 10	1	6.201 020
1500	12 M 10	1	6.900 476
500	12 -	1	6.060 366
600	12 -	1	9.224 226
750	12 -	1	9.224 227
1000	12 -	1	9.224 230
1250	12 -	1	6.200 760
1500	12 -	1	6.053 253

## General laboratory aids/Stands, Fittings



### 1 2 Support rings with or without bosshead, 18/10 Stainless/zincked

Bochem

Type	Int. diam. mm	Length mm	Material	PK	Cat. No.
Closed ring	70	200	18/10 steel	1	9.225 027
Closed ring	100	220	18/10 steel	1	9.225 030
Closed ring	130	220	18/10 steel	1	9.225 033
Closed ring	140	220	18/10 steel	1	9.225 036
Closed ring	50	160	steel zincked	1	6.239 803
Closed ring	70	200	steel zincked	1	6.239 507
Closed ring	100	220	steel zincked	1	6.239 804
Closed ring	130	220	steel zincked	1	6.239 822
Closed ring	160	220	steel zincked	1	6.239 805
Closed ring, with bosshead	50	70	steel zincked	1	4.659 172
Closed ring, with bosshead	70	70	steel zincked	1	9.225 081
Closed ring, with bosshead	100	70	steel zincked	1	6.238 844
Closed ring, with bosshead	130	70	steel zincked	1	7.651 881



### 3 4 Support ring

Steel. With or without bosshead, as outlined below.

Juchheim Laborgeräte

Type	Ext. diam. mm	Weight g	PK	Cat. No.
without bosshead	70	157	1	6.900 428
without bosshead	100	216	1	6.900 429
without bosshead	130	230	1	6.201 068
without bosshead	160	260	1	6.900 430
without bosshead	180	346	1	6.900 761
with bosshead	70	210	1	6.076 309
with bosshead	100	236	1	9.223 900
with bosshead	130	266	1	9.223 901



### 5 Scaffold bosshead, cast iron

Malleable cast iron with lacquered chrome finish. With heart screws.

Jaw opening mm	Angle	PK	Cat. No.
13	90	1	9.224 267



### 6 Bosshead

Malleable cast iron with lacquered chrome finish. DIN 12895. With lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 254
20	1	6.225 278
36	1	6.802 614



### 7 Bossheads, aluminium, angle 90°

DIN 12895. For customer designed products and high quantity orders the screw type can be chosen.

Description	Jaw opening mm	Thread	Angle	PK	Cat. No.
Thumb screw M8/M10	16,5	M8	90	1	6.076 525
Thumb screw M8/M10	16,5	M8	90	1	9.224 291
Socket screw M6/M8	16,5	M8	90	1	6.079 309
Safety screw type "heart" M8	16,5	M8	90	1	6.280 866



### 8 Bossheads, malleable cast iron, chromed

Swivelling (360°). For M8 rods.

Jaw opening mm	PK	Cat. No.
16.5	1	6.079 307

# 1. General laboratory consumables

## General laboratory aids/Stands, Fittings

### Bosshead, standard

Chrome plated cast alloy with smoothly opening distance of 0 - 20 mm.

Available as 2 types:

- with fix stem that holds the objects on fixed position.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any desired angle.



6.239 009



6.238 711

Jaw opening mm	PK	Cat. No.
swivel bosshead	1	6.239 009
solid stem bosshead	1	6.238 711

### 3 Bosshead

18/10 steel. To DIN 12895. Material number 4301. Electrolytically polished, with heart screw. Angle 90°.



Jaw opening mm	PK	Cat. No.
16.5	1	9.224 252

### 4 Bosshead, malleable iron

Double bosshead malleable iron, epoxy coated.

*Juchheim Laborgeräte*



Description	Jaw opening mm	PK	Cat. No.
with M8 brass thumb bolt	20	1	9.223 902

### 5 6 7 8 Bosshead

To DIN 12895. Zinc die casting, powder-coated. For vertical and horizontal clamping.

*Usbeck*

Jaw opening mm	Description	PK	Cat. No.
16	Bosshead with steel screws	1	9.224 251
16	Bosshead with brass screws	1	9.224 245
20	Double cross bosshead with brass screws	1	9.224 257



9.224 251



9.224 257



9.224 257



9.224 257

### 9 Swivelling bosshead

Swivelling. To DIN 12895 Part 1. Zinc die casting powder-coated .

*Usbeck*



Clamping range mm	PK	Cat. No.
16	1	9.224 270

## General laboratory aids/Stands, Fittings



### 1 Bossheads, stainless steel

Stainless steel, electrolytically polished, for rods up to 16mm diameter.  
With tommy-bar screws.

Usbeck

Jaw opening mm	PK	Cat. No.
16	1	6.071 888



### 2 Cross bosshead

Malleable cast iron with chrome finish. DIN 12895. 90° and 180° angle with lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 264



### 3 Bossheads, aluminium

For M8 rods. Angle 90° and 180°.

Jaw opening mm	PK	Cat. No.
13	1	6.202 021



### 4 Bossheads

Aluminium alloy or stainless steel 18/10.  
Angle 90° and 180°.

Description	Jaw opening mm	Thread	Material	PK	Cat. No.
with thumb screw	16.5	M8	Aluminium alloy	1	9.224 268
with heart screw	16.5	M8	stainless steel 18/10	1	9.224 258
with thumb screw	27	M10	Aluminium alloy	1	9.224 269



9.223 905

### Hook connector, steel/stainless steel

Hook bosshead steel, epoxy coated or stainless steel with brass pressure block.

Juchheim Laborgeräte



9.223 906

Description	Clamping range mm	Material	PK	Cat. No.
M8 stainless steel thumb bolt	13	stainless steel	1	9.223 905 5
M8 brass thumb bolt	13	steel	1	9.223 906 6



### 7 Cross bosshead, cast steel

Chrome plated cast steel. Suitable for frame works and fixing perpendiculars.  
Can be moved vertically and horizontally along the rods.

Description	PK	Cat. No.
suitable for rods 12 mm	1	9.224 278



### 8 Cross bosshead, right-angle format, Aluminum alloy

LABOMECA. With hexagon socket screw.

Bochem

Jaw opening mm	PK	Cat. No.
12 to 13 x 12 to 13	1	9.224 274



# 1. General laboratory consumables

## General laboratory aids/Stands, Fittings

### 1 Retort clamps

Standard to DIN 12894. With round jaws. Bochem

Jaw opening	Shaft length min.	Material	PK	Cat. No.
mm	mm			
25	150	Malleable cast iron, chromed	1	9.224 470
40	150	Malleable cast iron, chromed	1	9.224 471
60	150	Malleable cast iron, chromed	1	9.224 472
80	180	Steel, zinc coated	1	6.306 164



### 2 Universal clamp, with cork

Prongs with cork. Bochem

Jaw opening	Shaft length	Material	PK	Cat. No.
mm	mm			
0 to 80	180	Aluminium, DIN pattern	1	9.224 501
0 to 80	150	18/10 steel	1	9.224 502



### 3 Support clamps, 18/10 steel

DIN 12984. Prongs with cork and round jaws. Bochem

Type	Clamping range	Shaft length min.	PK	Cat. No.
	mm	mm		
round jaws	25	150	1	9.224 425
round jaws	40	150	1	9.224 440
round jaws	60	150	1	9.224 460
round jaws	80	180	1	7.200 026
round jaws	100	180	1	7.079 535
round jaws	120	180	1	6.076 598
round jaws	150	180	1	6.072 053



### 4 Three-prong clamps, aluminium

PVC-coated jaws. Bochem

Jaw opening	Shaft length min.	PK	Cat. No.
mm	mm		
0 to 70	140	1	6.510 909



### 5 6 Retort clamps

Flexible shaft, nickel-plated. Bochem

Description	Jaw opening	Shaft length	Material	PK	Cat. No.
	mm	mm			
Finger with silicone coating	0 to 30	220	Alu-alloy	1	6.303 841
Finger with cork	40	290	18/10 steel	1	6.300 995



### 7 Retort clamp

18/10 stainless steel. 3-prong with plastic covered jaws. Bochem

Jaw opening	Shaft length min.	PK	Cat. No.
mm	mm		
0 to 120	150	1	9.224 445



### 8 Beaker and flask clamp

18/10 steel. 4 prong with silicone covered jaws. Bochem

Jaw opening	Shaft length min.	PK	Cat. No.
mm	mm		
0 to 120	150	1	9.224 448



## General laboratory aids/Stands, Fittings


**1**

### Clamps, retort, 3-prong, chromated steel

Manufactured from chrome plated cast steel with two prongs which are PVC coated for gentle hold of the objects. Two separately adjustable clamps enables perfect control of holding pressure and precise positioning of the objects. Clamps can be opened and closed smoothly with a grip width of 0-70 mm.

ISOLAB

With solid stem of 12 mm rod diameter with the holding angle and distance from the support rod can be adjusted by a separate bosshead.

With swivel mechanism which enables the object freely swivel 360° and lockable at any desired angle. Complete with an integral bosshead usable for rods maximum diameter of 21 mm.


**2**

Description	Jaw opening mm	PK	Cat. No.
solid stem clamp	0 - 70	1	6.242 700
swivel clamp	0 - 70	1	6.243 690

6.243 690


**3**

### Clamp, 2 prongs

Chrome plated cast steel with two PVC coated prongs for gently holding the objects. Two separately adjustable clamps enable perfect control of holding pressure and precise positioning of the objects. Clamps can be opened and closed smoothly with a grip width of 0-50 mm.

ISOLAB

Available as 2 types:

- with solid stem of 12mm rod diameter, the holding angle and distance from the support rod can be adjusted by a separate bosshead.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any angle. Complete with a integral bosshead, usable for rods maximum diameter of 21 mm.


**4**

Description	Jaw opening mm	PK	Cat. No.
solid stem	0 to 50	1	6.237 648
swivel	0 to 50	1	9.224 401

6.237 648

9.224 401


**5**

### Clamps, malleable iron

Stand clamp rounded jaws, malleable iron, epoxy coated. To DIN 12894.

Juchheim Laborgeräte

Clamping range	Weight g	PK	Cat. No.
mm			
25	180	1	6.800 204
40	204	1	6.200 398


**6**

### Three-prong clamp, malleable iron

Malleable iron with epoxy coating for 1 burette

Juchheim Laborgeräte

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30	140	1	9.223 915


**7**

### Clamps

To DIN 12894. B form. Zinc die casting, powder-coated. With round jaws.

Usbeck

Clamping range	PK	Cat. No.
mm		
25	1	9.224 302
40	1	9.224 304
60	1	9.224 306
80	1	9.224 319


**8**

### Three-prong clamp

Zinc die casting, natural alloy, vinyl-coated jaws.

Usbeck

Jaw opening mm	PK	Cat. No.
0 - 25	1	6.076 892
0 - 40	1	6.076 893
25 - 80	1	6.078 655

# 1. General laboratory consumables

## General laboratory aids/Stands, Fittings

### 1 Universal Clamp

With cork lined jaws, opening 0 to 80 mm. Rod diameter 10 mm.

Usbeck

Description	PK	Cat. No.
Zinc die casting, powder-coated	1	6.070 007
Zinc die casting, natural alloy	1	6.077 745
Zinc die casting, nickel plating	1	7.079 496



### 2 Clamp

Zinc die casting, nickel-plated, vinyl-coated jaws. Rod diameter 10 mm.

Usbeck

Description	Jaw opening mm	PK	Cat. No.
Clamp	38 to 60	1	6.070 155
Clamp	12 to 25	1	6.401 390
Clamp	20 to 40	1	6.401 391



### 3 Base, flexible, zinc die casting

Zinc die casting, nickel-plated, vinyl-coated jaws. Stem length 300 mm, with 82 mm diameter, heavy, stable base.

Usbeck

Description	Jaw opening mm	PK	Cat. No.
Three-prong, stable base	0 to 40	1	6.303 795
round with stable base	12 to 25	1	7.605 582



### 4 Clamp, flexible with bosshead, zinc die casting

Zinc die casting, nickel-plated, vinyl-coated jaws, with revoluble sleeve. Stem length 300mm.

Usbeck

Description	Jaw opening mm	PK	Cat. No.
Three-prong, with revoluble sleeve	0 to 40	1	6.088 853
Round with revoluble sleeve	12 to 25	1	6.800 733



### 5 Micro clamp

Lacquered green finish. Malleable cast iron. Prongs with cork.

Bochem

Type	Jaw opening mm	Shaft length min. mm	PK	Cat. No.
1	15	150	1	9.224 330



### 6 Micro-clamps, die-cast zinc

DIN 12894, form A. Die-cast zinc, powder coated. With angular jaws.

Usbeck

Jaw opening mm	PK	Cat. No.
10 to 25	1	9.224 307



### 7 Condenser clamp, malleable cast iron, chromed

Swivel type, silicone coated.

Bochem

Jaw opening mm	Shaft length mm	PK	Cat. No.
50 to 100	150	1	6.070 044



## General laboratory aids/Stands, Fittings



### 1 Condenser clamp, malleable iron

Condenser clamp moveable support rod, malleable iron, epoxy coated.

Juchheim Laborgeräte

Jaw opening mm	Weight g	PK	Cat. No.
85 mm	480	1	9.223 907



### 2 Chain clamp, steel/zincked

Chain 70 cm, silicone coating.

Bochem

Jaw opening mm	Shaft length mm	PK	Cat. No.
50 to 160	250	1	6.079 772



### 3 Burette and thermometer clamp

'Automatic'. Sprung-clip jaws with attached chrome-plated bosshead for 13.5 mm max. diameter rods.

Bochem

Jaw opening mm	Length mm	PK	Cat. No.
0 to 25	100	1	9.224 322

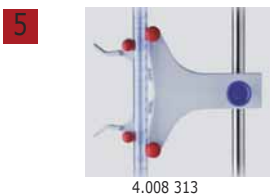


### 4 Burette holders, aluminium

For two burettes. With bosshead. Distance between rollers 170 mm. PVC rollers.

Bochem

Jaw opening mm	PK	Cat. No.
0 to 13	1	6.076 204



### Burette clamp

- Metal burette clamps are made out of steel and can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 10 - 12 mm diameter.
- Polypropylene burette clamp can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 10 - 12 mm diameter.

ISOLAB



Description	PK	Cat. No.
Burette clamp, metal	1	4.008 313 <b>5</b>
Burette clamp, PP	1	6.240 474 <b>6</b>



### 7 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 1 burette.

Juchheim Laborgeräte

Jaw opening mm	Weight g	PK	Cat. No.
0 - 40	180	1	9.223 916



### 8 Burette roller clamp, steel

Burette roller clamp with boss, for 1 burette, epoxy coated.

Juchheim Laborgeräte

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30 mm	220	1	9.223 918

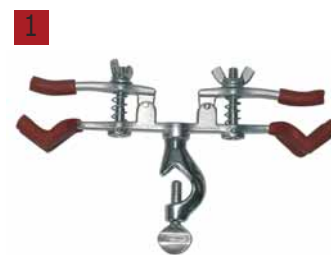
# 1. General laboratory consumables

## General laboratory aids/Stands, Fittings-Batteries

### 1 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 2 burettes. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 40	180	1	9.223 917



### 2 Burette roller clamp, steel

Burette roller clamp with boss, for 2 burettes, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Weight g	PK	Cat. No.
0 - 30 mm	380	1	9.223 919



### Burette holders

Aluminium, powder-coated. With roller grips and bosshead for retort stand rods. *Usbeck*

Type	PK	Cat. No.
For 1 burette	1	9.225 161
For 2 burettes	1	9.225 162



9.225 162

### 4 Alkaline Batteries, Energizer® Industrial

Best performance for industrial, medical and laboratory applications.

Type	Volt	PK	Cat. No.
LR14/EN93/C/Baby	1.5	12	9.012 921
LR6/EN91/AA	1.5	10	9.012 939
LR03/EN92/AAA/Micro	1.5	10	9.012 944
LR20/EN95/D/Mono	1.5	12	9.012 922
LR20/EN95/D/Mono	1.5	2	6.256 131
6LR61/EN522/9V/E-Block	9.0	12	9.012 923



### Alkaline Special Batteries Energizer®

For a variety of measuring devices; thermometers, digital balances, pocket calculators, watches, timers etc.

Type	Volt	PK	Cat. No.
A76/LR44/13GA	1.5	2	9.012 932
EPX76/SR44	1.5	2	9.012 933
189/LR54/10GA	1.5	2	9.012 934



9.012 932

### Rechargeable NiMH batteries Energizer® Profi Akku

- Rapid recharging
- No memory effect
- Ecologically friendly
- Economical

Type	Volt	Current mAh	PK	Cat. No.
HR03/AAA/Micro	1.2	700	2	6.262 319
HR6/AA/Mignon	1.2	2000	4	9.012 925
HR6/AA/Mignon	1.2	2300	2	9.012 945
HR22/9V/E-Block	8.4	175	1	9.012 927



9.012 927

# 1. General laboratory consumables

## General laboratory aids/Accessories for electrical device-Bags, Foils

1



9.726 000

### Adaptor plugs, Swiss and UK

9.726 000: Adapter plug with earthing contact from plug with earthing contact and additional earthing socket to British version 13 A, with fine-wire fuse 3, 5 or 13 A ("non rewirable")  
 9.726 001: One-way plug adapter from plug with additional earthing contact (CEE 7) to plug Swiss version type 12 ("non rewirable")

Type	PK	Cat. No.
with adapter UK	1	9.726 000
with adapter CH	1	9.726 001

2



### 2 LLG-Laboratory Power Failure Detector

- Immediate visual and acoustic alarm
- Alarm can sound for short power outages, or for larger periods of at least 12 hours (can be switched off manually).
- Plug safety cover offers protection against accidental disconnection of plug
- Maximum total power of connected devices. 3500W power supply 230V 50Hz
- Suitable for European plugs
- Max. Rating 16 A
- With built-in battery

**Scope of supply:**  
 1 x power failure detector  
 2 x plug safety caps  
 2 x screws

Type	PK	Cat. No.
LLG-Laboratory Power Failure Detector	1	6.255 819

3



### 3 Aluminium foil

Suitable for many laboratory applications. Resistant to liquids and gases. Ideal for sealing and wrapping of bottles and flasks. Good thermal conductivity, heat resistant.

Description	Width mm	Length m	Thickness µm	PK	Cat. No.
Dispenser box	300	100	13	1	9.106 103
Dispenser box	300	150	15	1	6.076 250
Dispenser box	300	100	30	1	6.070 786
Dispenser box	450	150	15	1	9.106 102
Dispenser box	450	100	30	1	6.070 787
Dispenser box	500	100	30	1	9.106 105
Dispenser box	600	100	30	1	6.027 813
Roll	500	200	50	1	9.106 205
Short roll	300	20	13	1	9.106 013
Short roll	300	10	15	1	9.106 106
Short roll	300	20	15	1	6.239 531
Short roll	300	10	30	1	9.106 107
Short roll	450	10	15	1	9.106 015
Short roll	450	10	30	1	6.076 351
Refilling roll	300	150	15	1	6.076 184
Refilling roll	300	100	30	1	6.060 382
Refilling roll	450	150	15	1	9.106 104
Refilling roll	450	100	30	1	7.510 894
Refilling roll	500	100	30	1	6.075 999
Refilling roll	600	100	30	1	6.510 476

4



### 4 Aluminium Pop-up sheets

Embossed pure aluminium foils, extremely tare resistant

- Handy for everyday use
- Heat-resistant up to 600 °C
- Air-tight and a barrier to light
- Dimensions (sheet): 230 mm x 270 mm

200 sheets in a box

Description	PK	Cat. No.
Box à 200 sheets	1	6.230 318



# 1. General laboratory consumables

## General laboratory aids/Bags, Foils

### 1 Round aluminium discs

Interleaved with tissue paper. Foil thickness 0.03 mm.

Diam. mm	PK	Cat. No.
80	1000	9.106 208
100	1000	9.106 210
120	1000	9.106 212
130	1000	9.106 213
150	1000	9.106 215



### 2 Aluminium containers, round

Capacity ml	Top diam. mm	Bottom diam. mm	Fill height mm	PK	Cat. No.
28	64	51	13	100	9.106 240
110	80	56	34	100	9.106 241
110	99	70	25	100	9.106 242
125	96	78	24	100	9.106 261
280	114	58	50	50	9.106 263



### 3 Aluminium containers, square

Capacity ml	Dimensions top (D x W) mm	Dimensions bottom (D x W) mm	Fill height mm	PK	Cat. No.
250	128 x 103 *	93 x 67	34	100	6.226 802
500	191 x 127 *	156 x 92	29	60	9.106 266

\* With lid.



### 4 Aluminium containers, square

Capacity ml	Length mm	Width mm	Fill height mm	PK	Cat. No.
160	100	64	38	100	6.510 118
330	121	83	47	100	6.510 217
340	160	110	26	100	6.273 997
550	200	103	39	100	7.652 300
930	228	176	28	100	6.200 538
2170	316	215	43	50	4.664 575

Korff



## General laboratory aids/Bags, Foils

**1**


### 1 LLG-Surface protector DescProtect

DescProtect is a durable paper which quickly absorbs liquid spills. The PE-coated base layer stops liquids reaching the work surface.

- stays flat, does not ripple or curl to de-stabilise vessels
- white surface can be written on using pens or pencils
- rapid absorption of liquid spills
- excellent fluid protection
- no contamination of work surfaces or laboratory cabinets
- suitable for school laboratories, wet chemistry, industry

Surface protection paper with two layers:

- Layer 1: Highly absorbent carrier paper, sucks up spilled toxic or radioactive liquids quickly
- Layer 2: Wetness impermeable polyethylene layer, protection for lab workbenches, trays or chemical cabinets
- Additional advantages: impermeable cover in animal cages, ideal in humidity chambers for atmospheric regulation

Type	Size	PK	Cat. No.
Sheets	460mm x 570mm	50	9.160 270
Spool	400mm x 50m	1	9.160 271

**2**


### 2 Benchkote surface protector®

The upper side consists of a particularly absorbent filter paper, the lower side is a non-permeable, chemically resistant PE layer. This combination makes Benchkote into a protective paper with a particularly high wet strength for universal use, helping to meet the requirements of Good Laboratory Practice (GLP):

*Whatman*

- Completely absorbs escaped liquids
- Prevents spills from reaching the workbench
- Protects against contamination

#### Applications:

- Surface protection for lab workbenches, trays or chemical cabinets
- Contamination protection, e. g. in isotope or bacteriological labs
- Adsorption of toxic or radioactive substances
- Hygienic protection in animal cages
- Atmospheric regulation in humidity chambers

Type	Width mm	Length m	PK	Cat. No.
Pack of loose sheets	460	0.57	50	9.106 280
Sheets	460	0.57	100	7.633 130
Sheets	600	0.50	50	9.106 278
Roll	460	5.00	1	9.106 284
Roll	600	5.00	1	9.106 279
Roll	920	5.00	1	9.106 286
Pad of sheets	460	0.57	1	9.106 287

**3**


### 3 Bench protector, Labmat™

White. Labmat™ Bench Liner speeds clean-up and safeguards work surfaces from stains, spills and wear. Highly absorbent upper surface. Flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Simply roll up and discard after contamination. Easily cut custom size sheets with the Bel-Art safety cutter.

*Bel-Art Products*

Type	Width mm	Length m	PK	Cat. No.
Bench protector, Lab Mat™	508	15.2	1	9.106 288

**4**


### 4 Desk protector, cork

Made from natural agglomerated cork which can be easily cleaned. Non-allergenic, anti-fungal, anti-bacterial and antistatic material. Heat and erosion resistant and also reduces noise and vibration.

Width mm	Depth mm	Height mm	PK	Cat. No.
200	200	10	1	6.267 409
300	300	10	1	6.267 410

# 1. General laboratory consumables

## General laboratory aids/Bags, Foils

### 1 Laboratory mats, silicone



Deutsch & Neumann

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

Colour	Width mm	Depth mm	PK	Cat. No.
Red	250	250	1	9.390 090
Black	250	250	1	9.390 091
Red	350	350	1	9.390 092
Black	350	350	1	9.390 093



### 2 3 Laboratory mats Lab Mat, silicone



Heathrow Scientific

The Lab Mats are an economical solution to help keep benchtops clean and safe from stains, spills and wear. Stain resistant washable surface, which can easily be cleaned using any standard disinfectant and even autoclavable at 121 °C for 15 minutes. The mat can also be rolled up for compact storage. The Lab Mat can be used with instruments such as centrifuges, vortex mixers, stirrers, and so much more. It offers a large working surface. Food-safe.

- Anti-skid, which helps to keep items with harsh chemicals and delicate glassware in place
- Noise dampening, reducing sound from the vibration of common benchtop equipment.
- Area with internal metal inserts to store magnet bars from magnetic stirrers
- Lip design around the outer edge, that helps contain spillage that may occur when in use
- Protects countertops from hot items up to 200 °C



Colour	Width mm	Depth mm	Height mm	PK	Cat. No.
Side one: yellow, side two: blue on grey	35	60	2	1	6.286 311
Side one: purple, side two: grey on purple	35	60	2	1	6.286 312

### 4 Laboratory mats Workstation Lab Mat, silicone



Heathrow Scientific

Non-slip Laboratory mats with 2 different sides for organising and thus simplifying workflow processes. One side with a completely flat surface and one side with a combination of gridded and flat surface. The gridded area avoids unwanted movement of small parts Ideal for all laboratories and more specialised areas such as cold rooms or areas with high sterility requirements such as clean rooms.

- Dimensions (W x D x H): 305 x 379 x 2 mm
- Protection of the work bench from hot items up to 200 °C
  - Lip around the edge can hold approx. 250 ml of liquid
  - Reusable
  - Chemically resistant
  - Dishwasher safe
  - Food safe
  - Noise dampening
  - Can be rolled up
  - Autoclavable at 121 °C for 15 minutes



Colour	Width mm	Depth mm	Height mm	PK	Cat. No.
Blue	379	305	2	1	6.292 160
Purple	379	305	2	1	6.292 161

## General laboratory aids/Bags, Foils



### 1 Plastic film, rolls

Transparent. PE.  
Other widths are available on request.

Width mm	Thickness mm	Package contents	PK	Cat. No.
80	0.05	1 roll of 25 m	1	9.106 508
80	0.10	1 roll of 25 m	1	9.106 538
100	0.05	1 roll of 25 m	1	9.106 510
100	0.10	1 roll of 25 m	1	9.106 540
100	0.20	1 roll of 25 m	1	7.633 673
150	0.05	1 roll of 25 m	1	9.106 515
150	0.10	1 roll of 25 m	1	9.106 545
150	0.15	1 roll of 25 m	1	6.802 434
200	0.05	1 roll of 25 m	1	9.106 520
200	0.10	1 roll of 250 m	1	6.085 976
200	0.10	1 roll of 25 m	1	9.106 550
200	0.15	1 roll of 25 m	1	6.200 595
200	0.20	1 roll of 25 m	1	6.303 277
250	0.05	1 roll of 25 m	1	9.106 525
250	0.10	1 roll of 25 m	1	9.106 555
300	0.05	1 roll of 25 m	1	9.106 530
300	0.10	1 roll of 25 m	1	9.106 560
300	0.20	1 roll of 25 m	1	6.091 294
600	0.20	1 roll of 200 m	1	7.653 010



### 2 SAROGOLD® foil

Extra-strong foil. PVDC-based. Good barrier properties protects the user against contact with dangerous substances (e.g. ethidium bromide or contaminated isotopes) from the sealed material and it is therefore suitable for covering sequencing gels in Electrophoresis applications.

- does not stick, easy to unravel
- with cutter
- non-flammable
- self-extinguishing
- microwaveable

Film thickness:	11.5 µm
Permeability in the visible area:	90 %
UV-filtering:	3000 Å
IR-permeability:	88 %
Width:	300 mm
Length:	300 m

Type	Size	PK	Cat. No.
SAROGOLD®	300 mm, roll 300 m	1	9.106 460



### 3 Cling film Toppits®

- easy to use and better adhesion
- our best freshness protection
- slight initial determination
- very easy to roll
- particularly strong
- with time beginning Finder
- tear-off cap box with stable
- role of fixation for easy rolling

Width mm	Length m	PK	Cat. No.
320	20	1	9.106 450



### 4 Stand-up Freezer bags

Polar One. With tear-resistant seam.

Capacity Litres	Width mm	Length mm	PK	Cat. No.
1	190	240	40	9.033 251
3	250	320	30	9.033 252
6	290	470	20	9.033 253



# 1. General laboratory consumables

## General laboratory aids/Bags, Foils

### 1 LLG-Disposal bags, PE

Transparent. PE. Without seal.

Width mm	Length mm	Thickness mm	PK	Cat. No.
100	150	0.05	100	9.404 128
150	200	0.05	100	9.404 130
200	320	0.05	100	9.404 140
250	400	0.05	100	9.404 150
250	400	0.10	100	9.404 151
300	500	0.05	100	9.404 152
300	500	0.10	100	9.404 153



### 2 LLG-Pressure-seal bags with write on patch, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly, and write-on patch.

Width mm	Length mm	Thickness mm	PK	Cat. No.
40	60	0.05	100	9.404 176
70	100	0.05	100	9.404 173
80	120	0.05	100	9.404 179
100	150	0.05	100	9.404 171
120	170	0.05	100	9.404 172
160	220	0.05	100	9.404 177
200	300	0.05	100	9.404 178



### 3 LLG-Pressure-seal bags, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly.

Width mm	Length mm	Thickness mm	PK	Cat. No.
80	120	0.05	100	9.404 160
100	150	0.05	100	9.404 161
120	170	0.05	100	9.404 162
150	220	0.05	100	9.404 163
180	250	0.05	100	9.404 164
200	300	0.05	100	9.404 165
220	310	0.05	100	6.304 307
250	350	0.05	100	9.404 166
300	400	0.05	100	9.404 167



➔ For sterile bags see 559.

### 4 PARAFILM® M sealing film

Can be stretched up to 200 % and clings around irregular shapes and surfaces. Parafilm® M is resistant to many polar substances such as saline solutions, inorganic acids and alkaline solutions for up to 48 hours (After this time it may become brittle). Parafilm® M conforms to general FDA requirements if used below 55 °C.

Melting temperature: 60 °C  
 Continued use temperature: -45 °C to +50 °C  
 Stretching ability: 200 %

Type	Width mm	Length m	PK	Cat. No.
PARAFILM® M	50	75	1	9.170 003
PARAFILM® M	100	38	1	9.170 002
PARAFILM® M	100	75	1	9.170 005
PARAFILM® M	500	15	1	9.170 004



### 5 LLG-Dispenser for PARAFILM® M, orange, ABS

PARAFILM® M feeds through easily and is easy to cut using the safety cutting device.  
 For rolls with width up to 100 mm.

Type	PK	Cat. No.
PARAFILM® M dispenser, ABS	1	9.170 006



### 6 PARAFILM® M dispenser

PARAFILM® M feeds through easily and is easy to cut using the safety cutting device.  
 For rolls up to 100 mm wide.

Type	PK	Cat. No.
PARAFILM® M dispenser, Plexiglas®	1	9.170 000



## General laboratory aids/Greases

1



### 1 KÄLTE 75 SUPER

Instant cooling of parts. Cooling agent for thermal fault location. Provides an instant solution by cooling down circuitry to -50 °C. Intermittent short circuits or interruptions in condensors, resistors, integrated circuits are quickly discovered. Especially designed for applications where 100 % safety is an absolute must. The fluid evaporates very quickly and, in doing so, extracts heat of vaporisation from the environment. As a result, the sprayed surface cools down considerably (max. - 55 °C). The spray evaporates completely and leaves no residues. It does not contain CFC's.

CRC



#### Attention

H phrases: H223|H229

Capacity ml	PK	Cat. No.
200	1	4.661 813

2



### 2 Multifunctional oil 5-56 + PTFE

NEW

Multifunctional oil with PTFE for lubrication, loosening, cleaning and protection. Ensures permanent wear protection, high pressure absorption capacity and reliable lubrication even under extreme conditions. Allows either surface spraying or spot-precise spraying.

- High quality mechanic oil
- Silicone-free
- Temperature range: -50 to 150 °C



#### Attention

H phrases: H223|H229

Capacity ml	PK	Cat. No.
500	1	6.312 049

3



### 3 Gas leak detection fluid

DIN 30657 gas, trace and leak detection fluid. Non-allergenic, non-toxic and odourless. Suitable for all pressure ranges. Non-flammable and therefore suitable for all technical gases such as ammonia, argon and other noble gases, freon, carbon dioxide, coal gas, compressed air, propane, oxygen, nitrogen, water etc. Propellant-free. Unpressurised canister. Flash-point greater than 50 °C. Unlimited shelf life. Tested and approved under DIN-DVGW-No. NG to 5170 AN 0456.

**Spray head not included. Please order separately.**

Type	PK	Cat. No.
Gas leak detection fluid	1	9.110 010
Sprayhead	1	9.110 011