

AH diagnostics

AN EXTRAORDINARY ADVENTURE

GLASSWARE



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GLASSWARE

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The different types of glass

Soda-lime glass

- Also called standard glass, chemical glass or white glass
- Good chemical and physical properties
- Composed of approximately 70% silica, 13% soda, 12% limestone
- High coefficient of expansion, sensitive to heat variations
- Not autoclavable
- Better flow, larger pores and better viscosity for clean meniscus formation, ideal for volumetry
- **Use:** products that have to withstand short chemical stress and are not subject to thermal stress

Borosilicate glass

- Also called borosilicate glass 3.3
- Very good chemical and physical properties
- Consists of approximately 80% silica, 13% boron oxide, 4% soda ash
- Low coefficient of expansion, very high resistance to heat and temperature changes
- **Use:** applications requiring very good chemical resistance, heat resistance, thermal shock resistance and high mechanical stability; used in the chemical and pharmaceutical industries and in research laboratories

DURAN® Glass

- Borosilicate glass 3.3
- EP and USP compliant for borosilicate glass type I for the pharmaceutical industry
- Complies with ISO 3585
- Exceptionally consistent and reproducible quality
- Regular thickness
- Improved mechanical stability and resistance to temperature changes
- Increased safety in use, longer product life and reduced overall costs
- Traceability code: eight-digit number used as a traceability code to access all important production data
- Batch certificates
- **Use:** storage, sample preparation, transport

PYREX® Glass

- Borosilicate glass 3.3
- EP and USP compliant for borosilicate glass type I for the pharmaceutical industry
- Complies with ISO 3585
- Excellent thermal properties at both high and low temperatures
- Regular thickness
- Batch number, an eight-digit code printed on the glass, for traceability of information from production
- Batch certificates
- **Use:** storage, sample preparation, transport

Maintenance and use

»» The following are general recommendations for the care and use of glassware in the laboratory.

»» Correct handling optimises the performance and preservation of your glassware

General information

- Before handling, make sure the product is in good condition (not scratched, cracked or damaged)
- Any defect can change the characteristics of the glass and lead to breakage
- Use a suitable plug (correct diameter), never push it in too hard
- Always support large containers from below

Cleaning

- Wash glassware before first use
- Clean the glassware immediately after use to avoid solidification of residues
- Use a mild or non-abrasive detergent and a soft, flexible brush or sponge
- All glassware can also be cleaned in the dishwasher

Sterilization

- Before any sterilisation, the glassware must be thoroughly cleaned
- It is recommended to use a 20 minute cycle at 121 °C and 1 bar
- Always unscrew the caps of bottles or tubes before autoclaving. Any material obstructing the opening may cause deformation or destruction of the plastic

Heating

- Borosilicate glass can be placed in the microwave
- When using a hot plate make sure the plate is larger than the base of the container to be heated
- Never place glassware on an already hot surface, always heat gradually starting at room temperature

Use under vacuum and pressure

- Use only glassware recommended specifically for vacuum and pressure applications
- Never subject glassware to sudden changes in pressure
- Always apply and release pressure and vacuum gradually

Recycling and disposal

- Soda-lime glass can be softened and remelted many times, and is perfectly suitable for recycling, in the same way as household glass, after any necessary decontamination procedures
- Borosilicate glass should be disposed of with household waste provided that the glass is not chemically contaminated
- Dispose of glass in a dedicated, puncture-resistant waste bin

The originals

Duran® Borosilicate glass bottles



DURAN® borosilicate glass bottles are characterised by a very low coefficient of expansion and excellent resistance to thermal shock and chemicals.

- Duran® type I clear or amber glass
- With or without polypropylene screw cap with pouring ring
- Uniform wall thickness
- Autoclavable, sterilisable
- With traceability code to obtain a batch certificate on the internet
- Long-lasting printed graduations

Certificate and batch tracking for DURAN® bottles with GL45: using the 8-digit special code written on the bottle, possibility of obtaining a certificate directly on the internet.

Volume (ml)	Height with cap (mm)	Height without cap (mm)	Neck Ø (GL Thread)	Body Ø (mm)	Units/box	Clear glass bottles				Brown bottles			
						Without cap	Price/box	With blue PP cap	Price/box	Without cap	Price/box	With blue PP cap	Price/box
10	54	50	GL 25	36	10	090982	N/A -	090983	N/A -	090985	N/A -	090987	N/A -
25	74	70	GL 25	36	10	090969	N/A -	090299	N/A -	090392	N/A -	083836	N/A -
50	91	87	GL 32	46	10	090970	N/A -	090300	N/A -	090393	N/A -	083838	N/A -
100	105	100	GL 45	56	10	090382	N/A -	090301	N/A -	090394	N/A -	083840	N/A -
150	115	110	GL 45	62	10	092036	N/A -	092033	N/A -	092039	N/A -	083841	N/A -
250	143	138	GL 45	70	10	090383	N/A -	090302	N/A -	090395	N/A -	083843	N/A -
500	181	176	GL 45	86	10	090379	N/A -	090303	N/A -	090396	N/A -	083845	N/A -
750	208	203	GL 45	95	10	092037	N/A -	092034	N/A -	092040	N/A -	083846	N/A -
1000	230	225	GL 45	101	10	090384	N/A -	090304	N/A -	090397	N/A -	083848	N/A -
2000	265	260	GL 45	136	10	090971	N/A -	090305	N/A -	090398	N/A -	083850	N/A -
3500	300	295	GL 45	160	1	092038	N/A -	092035	N/A -	092041	N/A -	083851	N/A -
5000	335	330	GL 45	182	1	090972	N/A -	090306	N/A -	090399	N/A -	083853	N/A -
10000	415	410	GL 45	227	1	090973	N/A -	090307	N/A -	090800	N/A -	083854	N/A -
20000	510	505	GL 45	288	1	090975	N/A -	090308	N/A -	083856	N/A -	-	-
25000	545	-	GL 45	316	1	-	-	096063	N/A -	-	-	-	-

Pyrex® Media Flasks



- ISO borosilicate glass bottles
- Autoclavable
- Ideal for storage and preservation of culture media and buffers
- Graduated, with blue polypropylene cap and pouring ring (except GL25, which is supplied without pouring ring)
- Traceability code

Rings and caps

Neck type	GL 25	GL 32	GL 45
Pouring ring, PP, white	-	001100	001101
Price/ 10 units	-	N/A -	N/A -
Pouring ring, ETFE, red	-	001104	001105
Price/ 10 units	-	N/A -	N/A -
Screw cap, PP, blue	001108	001102	001103
Price/ 10 units	N/A -	N/A -	N/A -
Screw cap, ETFE, red	001109	001106	001107
Price/ 10 units	N/A -	N/A -	N/A -

Capped bottles

Cat. No.	Volume (ml)	Neck	Ø x H (mm)	Units/box	Price/box
001090	25	GL 25	36 x 70	10	N/A -
001091	50	GL 32	46 x 88	10	N/A -
001092	100	GL 45	56 x 100	10	N/A -
001989	150	GL 45	62 x 105	10	N/A -
001093	250	GL 45	70 x 138	10	N/A -
001094	500	GL 45	86 x 176	10	N/A -
001990	750	GL 45	95 x 203	10	N/A -
001095	1000	GL 45	101 x 255	10	N/A -
001096	2000	GL 45	136 x 260	10	N/A -
001991	3500	GL 45	160 x 295	1	N/A -
001097	5000	GL 45	181 x 335	1	N/A -
001098	10000	GL 45	227 x 410	1	N/A -
001099	20000	GL 45	300 x 510	1	N/A -

Variants - Narrow neck

Square borosilicate glass bottles



Space-saving bottles.

- DURAN® borosilicate glass 3.3
- Bottle resistant to temperatures from -70 °C to +500 °C
- Cap resistant to temperatures from -40 °C to +140 °C
- Certificate of traceability, each bottle has an identification number

TIP



See caps on pages 1044 and 1045

Cat. No.	Description	Cap	Dim. Side x H (mm)	Units/box	Price/box
090441	Square bottle 100 ml	GL 32	50 x 109	10	N/A -
090346	Square bottle 250 ml	GL 45	64 x 143	10	N/A -
090347	Square bottle 500 ml	GL 45	78 x 181	10	N/A -
090348	Square bottle 1000 ml	GL 45	94 x 222	10	N/A -

Laboratory flasks, with screw cap and high temperature pouring ring

- Thermoplastic polyester cap and pouring ring
- Printed traceability code: downloadable batch certificate
- Resistant to hot air sterilisation up to 180 °C
- PTFE-coated silicone seal resists chemical attack
- The 25 ml bottle features a glass ring moulded directly into the bottle neck and does not require a pouring ring



Cat. No.	Volume (ml)	Body Ø (mm)	Flask H. (mm)	GL Thread	Units/box	Price/box
232546	25	36	70	25	10	N/A -
232547	50	46	88	32	10	N/A -
232548	100	56	100	45	10	N/A -
232549	250	70	138	45	10	N/A -
232550	500	86	176	45	10	N/A -
232551	1000	101	225	45	10	N/A -
232552	2000	136	260	45	10	N/A -

Pyrex® Capped flasks PBT

- In Pyrex®, graduated (except 25 ml flask)
- Supplied with a seamless cap made of high performance phenolic resin
- Sealing by a PTFE / ethylene-propylene composite seal
- Flasks sterilisable at 121 °C for 2 hours, PBT screw caps autoclavable and dry steam sterilisable up to 180 °C

Cat. No.	Capacity (ml)	Outer body Ø (mm)	Neck fitting Ø SVL (mm)	Total height (mm)	Units/box	Price/box
090834	25	35	20	65	10	N/A -
090835	50	43	25	80	10	N/A -
090836	100	54	25	105	10	N/A -
090837	250	66	30	135	10	N/A -
090763	500	81	30	175	10	N/A -
090764	1000	101	42	215	10	N/A -
090838	2000	136	60	250	10	N/A -
090839	5000	181	60	324	1	N/A -
090840	10000	227	60	395	1	N/A -
090842	20000	288	60	502	1	N/A -

PBT caps (supplied with seal) for flasks

Spare seals

Cat. No.	SVL fitting	Outer Ø x H (mm)	Units/box	Price/box	Cat. No.	Units/box	Price/box
001485B	13	17 x 16	20	N/A -	001494B	20	N/A -
001486B	15	20 x 18	20	N/A -	001495B	20	N/A -
001487B	18	23 x 18	20	N/A -	001496B	20	N/A -
001488B	20	25 x 18	20	N/A -	001497B	20	N/A -
001489B	22	27 x 18	20	N/A -	001498B	20	N/A -
001490B	25	31 x 26	20	N/A -	001499B	20	N/A -
001491B	30	36 x 26	20	N/A -	001500C	20	N/A -
001492B	42	52 x 30	10	N/A -	001501B	10	N/A -



GLASSWARE

DURAN® Youtility GL45 Glass Bottles



Ergonomically designed bottle with a slim shape to save space.

- Made of DURAN® Type 1 neutral borosilicate glass 3.3
- Optimised cap with easy unscrewing, supplied with the bottle

- Bottles and caps with a traceability code, certificate of conformity available on www.duran-group.com
- Coloured silicone marker rings (accessory) for easy identification of the bottle
- Modified autoclave marker on labels for greater visibility

Volume (ml)	Diameter (mm)	Height (mm)	Units/box	Standard bottle	Price/box	Amber bottle	Price/box
125	55	124	4	092148	N/A -	092183	N/A -
250	66	158	4	092149	N/A -	092184	N/A -
500	78	193	4	092150	N/A -	092185	N/A -
1000	93	253	4	092151	N/A -	092186	N/A -

Marking rings

Red	Orange	Yellow	Green	Blue	Violet	Black	White	Price 20 units
096004	096005	096006	096007	096008	096009	096010	096011	N/A -

Accessories

Cat. No.	Description	Units/box	Price/box
096126	Self-adhesive label for bottle and cap	100	N/A -
092153	DURAN® Youtility screw cap, blue	10	N/A -
096343	DURAN® Youtility screw cap, white	10	N/A -
092154	Pouring ring for DURAN® Youtility	16	N/A -
092155	Marking ring for DURAN® Youtility *	16	N/A -
096111B	Screw cap with PTFE membrane 0.2 µm	4	N/A -

* Two of each colour: blue, purple, green, red, orange, yellow, black, white

DURAN® PROTECT Coated Bottles



Duran® borosilicate glass bottles with a coating that increases the strength of the bottle and prevents glass breakage.

Vol. (ml)	Height without cap (mm)	Ø neck (mm)	Body Ø (mm)	Without cap and pouring ring			With cap and pouring ring		
				Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
10	50	25	36	090984	10	N/A -	-	-	-
25	70	25	36	090845	10	N/A -	-	-	-
50	87	32	46	090846	10	N/A -	-	-	-
100	100	45	56	090388	10	N/A -	083826	10	N/A -
150	110	45	62	092042	10	N/A -	083827	10	N/A -
250	138	45	70	090389	10	N/A -	092130	10	N/A -
500	176	45	86	090390	10	N/A -	092131	10	N/A -
750	203	45	95	092043	10	N/A -	083828	10	N/A -
1000	225	45	101	090380	10	N/A -	083829	10	N/A -
2000	260	45	136	090381	10	N/A -	083830	10	N/A -
3500	295	45	160	092044	1	N/A -	083831	1	N/A -
5000	330	45	182	090391	1	N/A -	083832	1	N/A -

DURAN® GL45 Pressure Plus+ Bottles



- Bottle geometry to ensure pressure resistance
- Security for the user and the content
- Borosilicate glass DURAN® 3.3
- GL45 Neck
- Vacuum resistance down to -1 bar
- Pressure resistance up to +1.5 bar
- Complies with DIN EN 1595:1997-05, ISO 4796-1:2016
- Blue printed graduations for better recognition compared to the standard bottle

- Autoclavable
 - Available in standard transparent version or with Protect coating and amber version, protecting samples against UV light (complies with USP <66> and EP 3.2.1)
 - Retrace code for better traceability
 - Applications: vacuum filtration, pressurised sample collection, storage of volatile solvents, storage of gas generating compounds
- Delivered without cap.

Volume (ml)	Neck Ø (thread)	Ø (mm)	Units/box	Natural		Clear		Amber	
				Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
100	100	56	10	090989	N/A -	096951	N/A -	090990	N/A -
250	138	70	10	090950	N/A -	083509	N/A -	090952	N/A -
500	176	86	10	090951	N/A -	083510	N/A -	090953	N/A -
1000	225	101	10	090806	N/A -	096129	N/A -	090807	N/A -

Caps

Cat. No.	Description	Units/box	Price/box
090310	Red PBT GL45 cap with PTFE coated silicone seal 180 °C	10	N/A -
999363	ETFE pouring ring for GL45 red cap	10	N/A -

DURAN® PURE Bottles

- Developed for the pharmaceutical industry
- In accordance with the recommendations of the international pharmacopoeia
- Borosilicate glass type I EP/USP
- Coating to prevent contamination
- Certificate of analysis available per batch
- Full traceability
- 100% visual control
- Drug master file type III

➤ Applications

- Production of pharmaceutical products
- Storage of drug intermediates
- Transport of APIs



Volume (ml)	Neck Ø (thread)	Units/box	Transparent		Amber		Neck Ø (thread)	Transparent		Amber	
			Cat. No.	Price/box	Cat. No.	Price/box		Cat. No.	Price/box	Cat. No.	Price/box
25	GLS 25	10	096971	N/A -	096979	N/A -	-	-	-	-	-
100	GLS 45	10	096972	N/A -	096980	N/A -	-	-	-	-	-
250	GLS 45	10	096973	N/A -	096981	N/A -	-	-	-	-	-
500	GLS 45	10	096974	N/A -	096982	N/A -	GLS 80	096997	N/A -	097003	N/A -
1000	GLS 45	10	096942	N/A -	096983	N/A -	GLS 80	096998	N/A -	097004	N/A -
2000	GLS 45	10	096975	N/A -	096984	N/A -	GLS 80	096999	N/A -	097005	N/A -
5000	GLS 45	1	096976	N/A -	096985	N/A -	GLS 80	097000	N/A -	097006	N/A -
10000	GLS 45	1	096977	N/A -	096986	N/A -	GLS 80	097001	N/A -	097007	N/A -
20000	GLS 45	1	096978	N/A -	096987	N/A -	GLS 80	097002	N/A -	097008	N/A -

Duran® PREMIUM bottles with ring and cap in TPCH

- GL 45 thread and traceability code
- High security containers corresponding to USP/EP/FDA standards
- Equipped with a ring and a cap with PTFE-coated silicone seal
- For use from -196 °C to + 260 °C
- Accuracy of the scale ±5%, for filling and quantifying spill volumes
- Ideal for sterilisation processes (hot air and dry sterilisation) and depyrogenation
- Supplied complete with translucent cap

Cat. No.	Capacity (ml)	Units/box	Price/box
091376	100	10	N/A -
091377	250	10	N/A -
091378	500	10	N/A -
091379	1000	10	N/A -

Pouring ring and cap

Cat. No.	Description	Units/box	Price/box
091205	Pouring ring	5	N/A -
090387	Cap with seal	5	N/A -



Duran® Thick-walled Bottles

- Borosilicate glass 3.3 type 1
- Ideal for stirring and mixing processes with large and heavy dip tubes
- Reinforced walls
- With traceability code
- Do not contain EGS/TSE hazardous materials
- Can be depyrogenated, autoclaved and sterilised
- Standard thread (GL45) or wide neck (GLS80) version
- Supplied without cap and pouring ring

Cat. No.	Volume (l)	DIN (GL) thread	Diameter (mm)	Height (mm)	Price
083480	10	45	228	410	N/A -
083481	10	80	228	385	N/A -
083477	20	45	289	505	N/A -
083478	20	80	289	480	N/A -



Variants - Wide neck

GLS 80 Duran® Wide-mouth glass bottles



Wide-necked bottles with a wide 80 mm thread for easy handling.

- **Labelling:** the white zone makes it easier to identify the contents
- **Excellent transparency, graduated, inert and chemically resistant**
- **Autoclavable up to 140 °C**
- **Supplied complete with PP caps (with lip seal for better sealing) and ring**
- **As accessories, PSU caps with a silicone seal covered on both sides with PTFE**
- **Certificate and batch tracking:** using the special 8-digit code on the bottle, a certificate can be obtained directly from the Internet
- **Protect glass: GLS 80 Protect A for handling particularly valuable or hazardous media, plastic coating (PU)**

Vol. (l)	Clear glass			Amber glass			Protect glass with synthetic coating		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
0.25	092135	10	N/A -	092137	10	N/A -	092138	10	N/A -
0.25	-	-	-	-	-	-	096950*	10	N/A -
0.5	091701	10	N/A -	091825	10	N/A -	091864	10	N/A -
1	091702	10	N/A -	091826	10	N/A -	091865	10	N/A -
2	091703	10	N/A -	091827	10	N/A -	091866	10	N/A -
3.5	092073	1	N/A -	-	-	-	-	-	-
5	091704	1	N/A -	091828	1	N/A -	091867	1	N/A -
10	091705	1	N/A -	091829	1	N/A -	-	-	-
20	091706	1	N/A -	091830	1	N/A -	-	-	-
30	091868	1	N/A -	-	-	-	-	-	-
50	091869	1	N/A -	-	-	-	-	-	-

* Supplied without cap

Accessories

Cat. No.	Description	Units/box	Price/box
091708B	Caps GLS 80	10	N/A -
096116	PP cap GLS 80 with PTFE membrane 0.2 µm	2	N/A -
091832	Pouring ring GLS80, blue PP	10	N/A -
091919	Cap GLS 80, PSU1, with seal	1	N/A -
091920	Pouring ring, white PTFE	5	N/A -

Pyrex® Wide-mouth Bottles

- **With or without cap, with pouring ring**
- **In borosilicate Pyrex glass, autoclavable**
- **GLS 80 thread with 65 mm internal neck**
- **Traceability code printed on the bottle, downloadable certificate**
- **White enamelled graduations and marking surface**
- **Maximum operating temperature of cap and pouring ring: up to 140 °C**



Volume (ml)	Height (mm)	Ø (mm)	Units/box	With cap		Without cap	
				Cat. No.	Price/box	Cat. No.	Price/box
250	105	95	10	001995	N/A -	002003	N/A -
500	152	101	10	001996	N/A -	002004	N/A -
1000	222	101	10	001997	N/A -	002005	N/A -
2000	252	136	10	001998	N/A -	002006	N/A -
3500	271	160	1	001999	N/A -	002007	N/A -
5000	314	182	1	002000	N/A -	002008	N/A -
10000	389	227	1	002001	N/A -	002009	N/A -
20000	484	288	1	002002	N/A -	002010	N/A -

Bottles for specific applications

Borosilicate glass carboys with tap

Graduated borosilicate glass carboys with tubing at the base of the GL32 thread.

Screw cap neck DIN GL45. Supplied complete with screw connection cap, silicone seal, flow tap and PTFE needle valve.

Cat. No.	Volume (l)	Price
046420	1	N/A -
046421	2	N/A -
046422	5	N/A -
046423	10	N/A -

Replacement taps

Cat. No.	Description	Price
046424	Spare tap for 1 and 2 litre carboys	N/A -
046425	Spare tap for 5 and 10 litre carboys	N/A -



Tilt Duran® Cell Culture Flasks

- ▶ Borosilicate glass 3.3
- ▶ GL56 white polypropylene cap, Ø 56 mm, autoclavable
- ▶ 2 positions: upright (filter sterilization and storage) and tilted at 45° (pipetting)
- ▶ Graduations visible on both sides and in both positions
- ▶ DURAN® Tilt Light shield, white silicone sleeve
- ▶ Identification rings: GL56, 4 colours, autoclavable
- ▶ Vacuum filtration unit for Tilt with adapter GL45 (ext)/GL56 (int), 507 mbar recommended, 677 mbar max.



Cat. No.	Description	Height (mm)	Volume (ml)	Units/box	Price/box
096014	Tilt bottle with white GL56 cap (non-sterile)	151	500	4	N/A -

Accessories

Cat. No.	Description	Material	Colours	Units/box	Price/box
096015	Protective shell, 4 identification rings included	Silicone	Orange, yellow, blue, pink	4	N/A -
096016	Identification ring GL56	Silicone	Orange	20	N/A -
096017	Identification ring GL56	Silicone	Yellow	20	N/A -
096018	Identification ring GL56	Silicone	Blue	20	N/A -
096019	Identification ring GL56	Silicone	Pink	20	N/A -
096020	Adapter GL45 for 45 mm filter unit (autoclavable)	PTFE	White	1	N/A -
096021	Self-adhesive label for GL56 cap, Ø 40 mm	Polyester	White	60	N/A -
096022	GL56 Cap	Polypropylene	White	10	N/A -

TILT Bottle Top Filter Unit

- ▶ Capacity: 500 ml
- ▶ For GL45 neck bottles
- ▶ Gamma sterilised
- ▶ PES membrane, 90 mm
- ▶ Different porosities available

Cat. No.	Porosity (µm)	Units/box	Price/box
096023	0.1	12	N/A -
096024	0.2	12	N/A -
096025	0.45	12	N/A -

Pyrex® GL 56 bottle, dual position

- ▶ Borosilicate glass
- ▶ Can be placed in a vertical position or in 45° angle position for ease of use
- ▶ Bottle is graduated to 500ml in the vertical position and 400ml in 45° angle position
- ▶ Trace Code
- ▶ Can be sterilised chemically or by dry heat

Cat. No.	Capacity (ml)	Bottle height (mm)	Thread size (mm)	Units/box	Price/box
785332	500	151	GL 56	4	N/A -





SLS Select borosilicate glass bottles



- Made of high quality borosilicate glass 3.3 according to ISO 3585
- ISO 4796-1
- With blue polypropylene cap and pouring ring
- Excellent chemical and thermal resistance
- With white scale and marking area

Cat. No.	Volume (ml)	Ø x h (mm)	Units/box	Price/box
257063	100	56 x 100	10	N/A -
257064	250	70 x 138	10	N/A -
257065	500	86 x 176	10	N/A -
257066	1000	101 x 225	10	N/A -
257067	2000	136 x 260	10	N/A -



Wheaton® Graduated Media Bottles



- Made of borosilicate glass meeting USP type I standards
- Low alkali to avoid pH changes and maintain content purity
- Wide opening, pouring ring
- Soft shoulder for easy pouring of liquids
- Graduations, large marking area

Cat. No.	Vol. (ml)	Ø (mm)	Height with cap	Height without cap	Cap	Units/box	Price/box
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Bottles with phenolic cap with autoclavable rubber seal

048756	125	55	123	119	33-430	48	354 -
048757	250	67	152	148	33-430	48	462 -
048758	500	88	192	188	33-430	24	N/A -
048759	1000	103	235	231	38-430	24	N/A -

Bottles with black cap with autoclavable PTFE-faced rubber seal

048760	125	55	123	119	33-430	48	N/A -
048761	250	67	152	148	33-430	48	555 -
048762	500	88	192	188	33-430	24	400 -
048763	1000	103	235	231	38-430	24	N/A -

Black Phenolic caps, white seal

Cat. No.	Cap	Units/box	Price/box
048821	33 - 430	200	N/A -
048822	38 - 430	200	N/A -

Rasotherm® ISO Borosilicate Glass Bottles



Made of high quality borosilicate glass 3.3, very resistant.



- ISO 4796
- With colourless ring and blue cap GL 45 made of polypropylene
- Graduated

Cat. No.	Volume (ml)	Body Ø (mm)	Height with cap (mm)	Units/box	Price/box
046412B	100	56	100	10	N/A -
511408	250	70	138	10	N/A -
046414B	500	86	176	10	N/A -
046415B	1000	101	225	10	N/A -
046416B	2000	136	260	10	N/A -
046417B	5000	181	330	1	N/A -
046418B	10000	227	410	1	N/A -

ISO bottles with coloured graduation and coloured cap



- Made of borosilicate glass 3.3 ISO 4796 / neck ISO GL45
- With cap in the same colour as the scale
- Polypropylene cap with pouring ring

Volume (ml)	Colour red	Colour Yellow	Colour Green	Colour Blue	Price 10 units
100	046455	046460	046465	046470	N/A -
250	046456	046461	046466	046471	N/A -
500	046457	046462	046467	046472	N/A -
1000	046458	046463	046468	046473	N/A -
2000	046459	046464	046469	046474	N/A -

Hybex bottles in borosilicate glass with GL45 neck and coloured caps

- Borosilicate glass 3.3
- Silk-screened graduations and marking area
- Supplied with GL45 autoclavable PP caps with pouring ring



Bottles and caps

Vol. (ml)	Blue cap	Green cap	Purple cap	Yellow cap	White cap	Assorted caps**	Units/box	Price/box
50*	062708	-	-	-	-	-	10	N/A -
100	062709	062710	062711	062712	062713	062714	10	N/A -
250	062715	062716	062717	062718	062719	062720	10	N/A -
500	062721	062722	062723	062724	062725	062726	10	N/A -
1000	062727	062728	062729	062730	062731	062732	10	N/A -
2000	062733	062734	062735	062736	062737	062738	5	N/A -

* 50 ml bottles with blue GL32 cap.

Starter packs: 10 bottles of varying volumes and caps

Pack of 10 bottles and caps that includes the following:
100 ml (2 x), 250 ml (3 x), 500 ml (3 x), 1 l (2 x).

Blue cap	Green cap	Purple cap	Yellow cap	White cap	Assorted caps**	Units/box	Price/box
062739	062740	062741	062742	062743	062744	10	N/A -

** 2 of each colour.

Single caps

Blue cap	Green cap	Purple cap	Yellow cap	White cap	Assorted caps**	Units/box	Price/box
062745	062746	062747	062748	062749	062750	10	N/A -

** 2 of each colour.

ISO square bottles GL 80



- Borosilicate glass 3.3
- White graduations and marking surface
- Trace Code
- GL 80 thread for wide aperture
- Supplied with 140 °C resistant cap and pouring ring
- Brown glass version for protection of photosensitive samples
- Autoclavable

Volume (ml)	Dimension W x D x H (mm)	Units/box	Clear glass		Brown glass	
			Cat. No.	Price/box	Cat. No.	Price/box
500	94 x 94 x 141	10	942659	N/A -	942663	N/A -
1000	105 x 105 x 187	10	942660	N/A -	942664	N/A -
2000	115 x 115 x 260	10	942661	N/A -	942665	N/A -
5000	160 x 160 x 357	6	942662	N/A -	942666	N/A -

Reservoir bottles for electrode protection



- Fits over the electrodes and keeps them in contact with the electrolyte solution
- Sealed system to prevent evaporation and salt deposits
- Borosilicate glass
- With screw cap and seal
- Indelible circular line, maximum level of electrolyte

Cat. No.	Description	Price
063105	Protelec bottle for ø 8 mm electrodes	N/A -
063106	Protelec bottle for ø 12 mm electrodes	N/A -
063107	Protelec storage bottle for ø 8 mm electrodes	N/A -
063108	Protelec storage bottle for ø 12 mm electrodes	N/A -

ISO soda-lime glass bottles



- 4 volumes 100 ml, 250 ml, 500 ml and 1000 ml
- Din mouth / GL45 cap
- Supplied with polypropylene screw cap and pouring ring
- Made of colourless soda-lime glass with good chemical resistance

Cat. No.	Volume (ml)	Body Ø (mm)	Height with cap (mm)	Units/box	Price/box
079036	100	57	106	12	N/A -
079035	250	71	143	12	N/A -
079033	500	86	181	12	N/A -
079034	1000	102	230	10	N/A -

Boston Wheaton® Glass Bottles, narrow neck



Ideal for storing solvents, chemicals and samples. Made of soda-lime glass type III. Version without cap to be completed with black phenolic cap with autoclavable rubber seal, or white polypropylene caps with PTFE-faced foamed polyethylene seal.

Volume (ml)	ø x H (mm)	Cap	Bottles without cap			Bottles with PP cap, foam seal		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
30	31 x 79	20-400	048683	432	N/A -	048848	48	N/A -
60	39 x 94	20-400	048684	288	N/A -	048849	24	N/A -
125	48 x 112	22-400	048685	160	N/A -	048850	24	N/A -
250	60 x 136	24-400	048686	108	N/A -	048851	12	N/A -
500	75 x 168	28-400	048687	60	N/A -	048852	12	N/A -
1000	94 x 206	33-400	048688	12	N/A -	048853	12	N/A -

Boston Wheaton® Amber Glass Bottles, narrow mouth



Made of soda-lime glass, meeting USP type III standards for light-sensitive samples. Supplied with polypropylene cap with PTFE seal.

Cat. No.	Volume (ml)	ø x H (mm)	Cap	Units/box	Price/box
048689	30	31 x 79	20-400	48	N/A -
048690	60	39 x 94	20-400	24	N/A -
048691	125	48 x 112	22-400	24	N/A -
048692	250	60 x 136	24-400	12	N/A -
048693	500	75 x 168	28-400	12	N/A -
048694	1000	94 x 206	33-400	12	N/A -

Wheaton® Clear Glass Storage Bottles, wide mouth



- Made of soda lime glass, USP type III compliant
- Supplied with white polypropylene cap and PTFE-faced foamed polyethylene seal

Cat. No.	Volume (ml)	ø x H (mm)	Cap	Units/box	Price/box
048726	125	52 x 84	48-400	24	N/A -
048727	250	63 x 110	58-400	24	N/A -
048728	500	79 x 133	63-400	24	N/A -
048729	2000	122 x 213	83-400	6	N/A -
048730	4000	157 x 256	89-400	4	N/A -

Wheaton® Amber Storage Bottles, wide mouth



- Supplied with white polypropylene cap and PTFE-faced foamed polyethylene seal
- Wide neck
- Ideal for storing powders and light sensitive products
- Made of soda lime glass, USP type III compliant

Cat. No.	Volume (ml)	ø x H (mm)	Cap	Units/box	Price/box
048709	30	37 x 65	28-400	24	N/A -
048710	60	44 x 75	33-400	24	N/A -
048711	125	54 x 95	38-400	24	N/A -
048712	250	66 x 119	45-400	24	N/A -
048713	500	80 x 146	53-400	12	N/A -
048714	1000	99 x 178	53-400	12	N/A -

Wheaton® Straight Edge Jars

- With white polypropylene cap, PTFE-faced foamed polyethylene seal
- For sampling dry goods, powders
- Made of soda lime glass, USP type III compliant

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048715	60	55 x 48	53-400	24	N/A -
048716	125	60 x 68	58-400	24	N/A -
048717	250	73 x 88	70-400	12	N/A -
048718	500	91 x 95	89-400	12	N/A -
048719	1000	95 x 170	89-400	12	N/A -



Wheaton® Square Bottles

Space-saving bottles. Made of soda lime glass, USP type III compliant. With white polypropylene cap and PTFE-faced foamed polyethylene seal.



Cat. No.	Volume (ml)	ø x H (mm)	Cap	Units/box	Price/box
048720	15	26 x 62	20-400	48	N/A -
048721	30	31 x 72	24-400	48	N/A -
048722	60	39 x 87	28-400	48	N/A -
048723	125	45 x 111	33-400	24	N/A -
048724	250	56 x 137	43-400	24	N/A -
048725	500	68 x 167	48-400	24	N/A -

Wheaton® Graduated Storage Bottles with cap



- Made of soda lime glass, USP type III compliant
- For dry products and powders, double graduation in Oz and ml

Cat. No.	Volume (ml)	ø x H (mm)	Cap	Units/box	Price/box
048695	30	34 x 68	33-400	48	N/A -
048696	60	42 x 83	38-400	48	N/A -
048697	125	51 x 102	48-400	24	N/A -
048698	250	62 x 127	58-400	24	N/A -
048699	500	76 x 145	70-400	24	N/A -

With black phenolic cap and autoclavable rubber seal

048700	30	34 x 68	33-400	48	N/A -
048701	60	42 x 83	38-400	48	N/A -
048702	125	51 x 102	48-400	24	N/A -
048703	250	62 x 127	58-400	24	N/A -

Without cap

048704	30	34 x 68	33-400	432	N/A -
048705	60	42 x 83	38-400	288	N/A -
048706	125	51 x 102	48-400	144	N/A -
048707	250	62 x 127	58-400	96	N/A -
048708	500	76 x 145	70-400	48	N/A -

Amber Glass Powder Bottles

- Amber Soda-lime glass
- Supplied without cap

Cat. No.	Volume (ml)	ø x H (mm) without cap	Cap	Units/box	Price/box
674481	30	38.10 x 57.90	33-400	127	N/A -
674413	60	44 x 75.40	38-400	72	N/A -
674414	100	48.40 x 88.10	38-400	72	N/A -
674415	125	52.80 x 94.50	38-400	68	N/A -
674419B	500	81.10 x 148.70	58-400	28	N/A -

Polypropylene caps only

Cat. No.	Description	Price/100 units
674482	Black cap 33-400	N/A -
674483	Black cap 38-400	N/A -
674416	White cap 38-400	N/A -
674418	Black cap 48-400	N/A -
674420	Black cap 58-400	N/A -



(Supplied without cap)

SODA-LIME GLASS BOTTLES

Soda-lime glass Bottles

- Clear or amber glass
- DIN168 thread
- Supplied without cap



Cat. No.	Glass	Volume (ml)	Ø (mm)	H (mm)	(GL) Thread	Units/box	Price/box
959328	Clear	30	36	68	32	126	N/A -
958983	Clear	50	44	75	32	85	N/A -
958984	Clear	100	50	93	40	63	N/A -
958985	Clear	125	54	98	40	80	N/A -
958986	Clear	150	57	104	45	42	N/A -
958987	Clear	250	70	113	55	48	N/A -
958988	Clear	500	84	154	55	20	N/A -
958989	Clear	1000	103.50	180.50	68	18	N/A -
958990	Amber	30	36	68	32	126	N/A -
958991	Amber	50	44	75	32	85	N/A -
958992	Amber	100	50	92.50	40	56	N/A -
958993	Amber	125	54	98	40	84	N/A -
958994	Amber	150	57	104	45	48	N/A -
958995	Amber	250	70	113	55	30	N/A -
958996	Amber	500	84	154	55	20	N/A -
958997	Amber	1000	103.50	180.50	68	12	N/A -

Caps

Cat. No.	(GL) Thread	Material	Units/box	Price/box
959093	55	Polypropylene	50	N/A -
959096	45	Polypropylene	50	N/A -

White Glass Screw Top Jars



- White food jar, soda-lime glass
- To be completed with caps and lids



Cat. No.	Base Ø (mm)	Jar H. (mm)	Volume (ml)	Units/box	Price/box
674028	104	95	500	30	N/A -
674029	104	174	1000	48	N/A -

Cap and lid for screw top jars

Cat. No.	Description	Price
674030	Twist off lid for 500 and 1000 ml screw top jars	N/A -
674031	Screw lid for 500 and 1000 ml screw top jars	N/A -

White glass jars



- White food jar, soda-lime glass
- Lid to be ordered separately
- For dry goods and powders

Cat. No.	Volume (ml)	Ø x H (mm)	Price 6 units
674422	1000	100 x 165.6	N/A -
674423	2000	100 x 241	N/A -

Lid for 1 and 2 litre jars

Cat. No.	Description	Price 6 units
674424	Orange polypropylene lid	N/A -

White glass jars



- Food glass
- Delivered without lids

Cat. No.	Base Ø (mm)	Flask H. (mm)	Capacity (ml)	Ring	Units/box	Price/box
674036B	52	75	106	48	20	N/A -
674037	68	83	212	63	12	N/A -
674039	71	119	378	63	12	N/A -
674040	137	137	660	82	12	N/A -
674041	145	145	750	82	12	N/A -

Lid, To Ring, for bottles and jars

Cat. No.	Description	Price bag of 100
674042B	White pasteurisable lid, TO 48 ring	N/A -
674494	White pasteurisable lid, TO 63 ring	N/A -
674044	White pasteurisable lid, TO 82 ring	N/A -
674045	Flip Panel sterilisable gold lid, TO 48 ring	N/A -
674046	Flip Panel sterilisable white lid, TO 63 ring	N/A -
674047	Flip Panel sterilisable white lid, TO 82 ring	N/A -

The basics

Coloured caps and coloured ring



➤ Caps

- Made of autoclavable blue polypropylene
- Made of red melamine resin, sterilisable in dry heat at 180 °C (Poupinel)

➤ Replacement seals for PBT red caps

- PTFE-coated silicone rubber seals suitable for PBT caps up to approx. 180 °C

Flask neck ø (mm)	Units/ bag	Caps			Replacement seals for PBT red caps		Pouring ring		
		Colours	Cat. No.	Price/ bag	Cat. No.	Price/ bag	Colours	Cat. No.	Price/ bag
25	10	Blue	090320	N/A -	-	-	Blue	-	-
25	10	Red	090325	N/A -	090954	N/A -	Red	-	-
32	10	Blue	090321	N/A -	-	-	Blue	090323	N/A -
32	10	Red	090326	N/A -	090955	N/A -	Red	090327	N/A -
45	10	Blue	090311*	N/A -	-	-	Blue	090362	N/A -
45	10	Red	090310	N/A -	090956	N/A -	-	-	-
45	10	Yellow	083469	N/A -	-	-	Yellow	090801	N/A -
45	10	Green	090804	N/A -	-	-	Green	090803	N/A -
45	10	Grey	090805	N/A -	-	-	Grey	090802	N/A -

* Eco version

GL45 Coloured Caps and Coloured Ring

Coloured caps

45 mm caps (GL 45 neck) for ISO bottles in coloured polypropylene.

Cat.No.	Description	Colours	Price 10 units
046101	Cap 45 mm	Yellow	N/A -
046102	Cap 45 mm	Green	N/A -
046103	Cap 45 mm	Red	N/A -
046104	Cap 45 mm	Blue	N/A -

Coloured rings

Coloured polypropylene pouring rings for 45 mm ISO bottles.

Cat.No.	Description	Colours	Price 10 units
046108	Ring 45 mm	Yellow	N/A -
046109	Ring 45 mm	Green	N/A -
046110	Ring 45 mm	Red	N/A -
046756	Ring 45 mm	Blue	N/A -



Red melamine cap

Cat.No.	Description	Colours	Price 10 units
090310R	Cap 45 mm (accepts 200 °C)	Red	N/A -

Wheaton® Caps with Seal

Cap	Phenolic caps with rubber seal for bottles			White polypropylene caps with polyvinyl seal for bottles			Polypropylene screw caps with PE foam seal		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
15 - 415	-	-	-	-	-	-	048854	200	N/A -
18 - 400	-	-	-	-	-	-	048855	200	N/A -
18 - 415	-	-	-	-	-	-	048856	200	N/A -
20 - 400	048746	72	N/A -	-	-	-	048857	200	N/A -
20 - 410	-	-	-	-	-	-	048858	200	N/A -
22 - 400	048747	72	N/A -	048732	72	N/A -	048859	200	N/A -
24 - 400	048748	72	N/A -	048733	72	N/A -	048860	200	N/A -
24 - 410	-	-	-	-	-	-	048861	200	N/A -
28 - 400	048749	72	N/A -	048734	72	N/A -	048862	200	N/A -
28 - 410	-	-	-	-	-	-	048863	200	N/A -
33 - 400	048750	72	N/A -	-	-	-	048864	200	N/A -
33 - 430	-	-	-	-	-	-	048865	200	N/A -
38 - 400	048751	72	N/A -	048736	72	N/A -	-	-	-
43 - 400	048752	72	N/A -	048737	72	N/A -	-	-	-
45 - 400	-	-	-	048984	72	N/A -	-	-	-
48 - 400	048754	72	N/A -	048739	72	N/A -	-	-	-
53 - 400	-	-	-	048740	72	N/A -	-	-	-
58 - 400	048755	72	N/A -	048741	72	N/A -	-	-	-
63 - 400	-	-	-	048988	48	N/A -	-	-	-
70 - 400	-	-	-	048743	24	N/A -	-	-	-
89 - 400	-	-	-	048745	24	N/A -	-	-	-



Membrane caps

DURAN® Membrane caps, GL45



Cat.No.	Description	Units/box	Price/box
090386	Membrane cap, GL45	5	N/A -
096113	Membrane cap, GL32	5	N/A -
096115B	Membrane cap, GL56	4	N/A -

Threaded cap with porous membrane withstanding both pressure and vacuum of 0.1 bar.

- ▶ Thread: GL45, GL32 or GL25
- ▶ PP cap with PTFE membrane filter 0.2 µm
- ▶ Maximum operating temperature: 140 °C
- ▶ Ideal for frequent use in autoclaves
- ▶ Permeable and simultaneously airtight
- ▶ Eliminates handling and cap closure problems during autoclaving
- ▶ PTFE (polytetrafluoroethylene) film welded in the middle of the blue threaded cap allows extremely fast pressure compensation between the product in the glass and its environment
- ▶ Gas-permeable, vacuum or overpressure film, but liquid-tight
- ▶ Reduction of the risk of overpressure when packaging and storing gas-forming liquids

DURAN® Membrane cap, GLS80



- ▶ Blue polypropylene
- ▶ PTFE membrane 0.2 µm
- ▶ Ideal for autoclaving to ensure a seal while balancing pressure
- ▶ Reduces the risk of contamination

Cat. No.	Description	Units/box	Price/box
096116	Cap GLS80, outer Ø x H (mm): 87 x 40	2	N/A -
091832	Pouring ring GLS 80 in blue PP	10	N/A -

Pyrex® Vented cap



- ▶ With 0.2 µm PTFE membrane
- ▶ GL45 thread
- ▶ Suitable for autoclaving and processes that require pressure compensation
- ▶ Permeable to gases but not to liquids

Cat. No.	Description	Units/box	Price/box
002020	Screw cap with PTFE membrane	5	N/A -

Transfer caps

DURAN® Caps, GL45 with tubing connection

Assembly system to be assembled as required, for safe and sterile transfer of liquids.



- ▶ Possibility of working with 2, 3 or 4 GL14 tubing
- ▶ Adaptable to different tubing diameters
- ▶ The elements are compatible with each other
- ▶ Possibility of adding a sterile 0.2 µm membrane filter
- ▶ For use with classic DURAN® bottles
- ▶ For total optimization: use vacuum and pressure resistant HPLC bottles with 4-port caps: one sterile filter port and 3 tubing ports

Cat.No.	Description	Units/box	Price/box
091390	Complete HPLC pressure bottle set with 4-port screw cap 1000 ml	2	N/A -
091391	Complete HPLC pressure bottle set with 4-port screw cap 500 ml	2	N/A -
091392	Kit: 4-port screw cap, GL45 + 4 rings 1.6 mm Ø + 4 rings 3.2 mm Ø + 4 seals + 4 black caps	2	N/A -
091393	Spare set: 4 rings 1.6 mm Ø + 4 rings 3.2 mm Ø + 4 seals + 4 black caps	1	N/A -

Cat.No.	Description	Units/box	Price/box
091380	Screw cap GL45, 2 ports GL14	2	N/A -
091381	Screw cap GL45, 3 ports GL14	2	N/A -
091382	Screw cap GL14, blue, for tube connection	2	N/A -
091395	Screw cap GL14, red, closed	10	N/A -
091383	Insert GL14 for 1.6 mm tubing	1	N/A -
091384	Insert GL14 for 3.0 mm tubing	1	N/A -
091385	Insert GL14 for 3.2 mm tubing	1	N/A -
091386	Insert for screw cap GL14 for 6.0 mm	1	N/A -
091387	Pressure equalization set for 2 and 3 port screw cap, incl. 0.2 µm membrane filter	1	N/A -
091388	Pressure equalization set for 4 port screw cap, incl. 0.2 µm membrane filter	1	N/A -
091389	Spare membrane filter for pressure equalization. 0.2 µm	2	N/A -

Pyrex® Caps with tubing connection

- For the safe transfer of liquids within a closed and sterile system
- With cap and pouring ring
- Polypropylene screw cap with 2 or 3 connection ports
- GL45 thread
- Interchangeable components with 2-port and 3-port screw caps
- Autoclavable at 140 °C



Cat. No.	Description	Units/box	Price/box
002022	GL45 Screw cap with 2 GL14 connection ports	2	N/A -
002023	GL45 Screw cap with 3 GL14 connection ports	2	N/A -
002025	GL14 Screw cap with tubing outlet	1	N/A -
002026	GL14 Screw cap with PTFE coated insert	1	N/A -
002029	Insert for GL14 screw cap with 1.6 mm tubing outlet	1	N/A -
002030	Insert for GL14 screw cap with 3.0 mm tubing outlet	1	N/A -
002031	Insert for GL14 screw cap with 3.2 mm tubing outlet	1	N/A -
002032	Insert for GL14 screw cap with 6.0 mm tubing outlet	1	N/A -
002033	Pressure compensation set for GL14 ports (incl. 0.2µm syringe filter)	1	N/A -
002034	Spare 0.2µm syringe filter	2	N/A -

DURAN® Caps, GLS80 with tubing connection

- Polypropylene caps with 4 ports for GLS80 modular wide neck bottles
- With tubing connection
- Safe and sterile transfer of liquids



Cat.No.	Description	Units/box	Price/box
091833B	GLS 80 Screw cap 4 GL18 ports, in PP	2	N/A -
091834	Insert for GL 18 screw cap, 3.2 mm	1	N/A -
091835	Insert for GL 18 screw cap, 6 mm	1	N/A -
091836	Insert for GL 18 screw cap, 8 mm	1	N/A -
091837	Insert for GL 18 screw cap, 10 mm	1	N/A -
091838	Insert for GL 18 screw cap, 12 mm	1	N/A -
091839	Blue screw cap for GL 18 tubing	2	N/A -
091998	Blanking screw cap, red, PBT GL18	2	N/A -
091840	Pressure equalisation cap set for 4-port, GL 18	1	N/A -

Screw caps GL with 2 hose connectors

The hose connection system has been developed especially for the connection of flexible tubes.

- Grey polypropylene cap center rotates freely
- For the transfer of liquid within a closed system
- Ideal for use with soft elastic tubing with inner diameter of 6-9 mm (Viton, Tygon, silicone)
- The two polypropylene connectors have angled top and straight underside connectors
- The angled hose connectors prevent the tubes from bending
- Optional sterile pressure compensation filter available
- Withstands up to + 140 °C
- Autoclavable



Cat. No.	Description	Units/box	Price/box
096000	GL 45 Screw cap with 2 hose connectors with EPDM gasket	2	N/A -
092046	Pressure compensation filter	2	N/A -

Pyrex® Screw Cap with 2 ports



- For transferring liquids using a peristaltic pump
- Made of polypropylene
- GL45 thread
- Suitable for use with soft elastic tubing that has an inner diameter of 6-9mm
- Bottle contents can be kept sterile with an optional venting connector with a 0.2µm syringe filter
- Autoclavable at 140 °C

Cat. No.	Description	Units/box	Price/box
002024	Twin hose connector screwcap with GL45 screwthread	2	N/A -
002035	0.2µm filter with hose connector adapter	2	N/A -

DURAN® Multiport Connector Cap GL45 and GL 25, Stainless Steel



- GL45 and GL25 caps, red PBT
- Stainless steel barbed tubing (316L) Surgical grade
- Use up to 180 °C
- Autoclavable at 121 °C for 15 minutes
- For sterile transfer or sampling of liquids between containers
- Tank caps for feeding laboratory instruments
- Set of ports for shaking and culture flasks
- Trace Code

Complete transfer cap

Cat. No.	Thread	Number of tubing	Tubing diameter (mm)	Price
084477	GL 25	2	3.2	N/A -
084478	GL 25	3	3.2	N/A -
084479	GL 25	4	3.2	N/A -
096363	GL45	2	3.2	N/A -
096364	GL45	3	3.2	N/A -
096365	GL45	4	3.2	N/A -
096366	GL45	5	3.2	N/A -
084475	GL 45	3	8	N/A -

Replacement units for GL45

Cat. No.	Description	Units/box	Price/box
084476	Silicone seal inner x outer Ø. = 40.5 x 27.5 mm; thickness 3 mm	10	N/A -
090367	Cap GL45 in red PBT, central aperture 34 mm	10	N/A -



DURAN® GL45 cap, 4-port



- Stainless steel type 316L (1.4404/S31603)
- Made with a 3D printer
- One piece electroplated for efficient cleaning and sterilisation
- Hose for tubing with an inner diameter of 6.4 mm
- The stainless steel centre and the cap are 2 separate pieces, the cap can be unscrewed without having to disconnect the hose
- Silicone gasket (platinum USP <88> catalyzed Class VI) and PP GL45 screw cap for tight closure
- Temperature resistant up to 140 °C (or 180 °C with PBT cap)
- Autoclavable at 121 °C for 15 minutes
- Retrace code for complete traceability

Cat. No.	Description	Price
096970	PP GL45 cap with seal and aperture and stainless steel tubing	N/A -

Accessories

Cat. No.	Description	Price
084476	Replacement gasket, inner diameter 40.5 mm and outer diameter 27.5 mm, thickness 3 mm	N/A -
090367	PBT GL45 screw cap with 34 mm aperture	N/A -

Applications

- Transfer of sterile liquids
- Sampling of liquids from a large volume container to bottles
- Tank cap for laboratory instruments
- Port assembly for shaking bottles and cell culture containers

PP GL45 caps for temperature sensors

- ▶ Blue polypropylene GL45 screw cap with holders for temperature sensors or thermocouples
- ▶ For holding measuring instruments during sterilisation

Cat. No.	Description	Price
084487	Cap with holder and clamping ring in stainless steel and PTFE cannula for thermocouples (length 240 mm, outer diam. 6 mm, inner diam. 3.8 mm) - thermocouples 1/0.3 mm or 1/0.5 mm or 7/0.2 mm	N/A -
084488	Cap with stainless steel holder and PTFE clamping ring for temperature probe up to 6 mm diameter	N/A -



Caps for specific applications

Caps with Premium Seal and Pouring Ring Duran®

High quality threaded caps for universal use. Fulfills all requirements for storage and packaging of products in the pharmaceutical, chemical and food industry.

- ▶ Thread GL 45 or GL25
- ▶ USP/EP/FDA compliant
- ▶ Usable temperature range: - 196 °C to + 260 °C
- ▶ PTFE-coated silicone gasket sealed by welding
- ▶ Perfect seal between the cap and the gasket, which remains airtight after repeated closures

Cat.No.	Description	Units/box	Price/box
090387	Cap with GL45 seal	5	N/A -
091205	Pouring ring GL45	5	N/A -
092069	Cap with seal GL25	5	N/A -



DURAN® PURE Premium Screw Caps

- ▶ EN PFA (fluoropolymer)
- ▶ High chemical and thermal resistance
- ▶ Autoclavable
- ▶ Highly inert PTFE coated silicone seal
- ▶ Produced and packaged in a clean room
- ▶ Certificate of analysis available per batch
- ▶ Full traceability
- ▶ Drug master file type III



Cat. No.	Description	Units/box	Price/box
096988	Screw cap GL25	5	N/A -
096989	Screw cap GL45	5	N/A -
096941	Screw cap GL45 with sealing lip	5	N/A -

DURAN® PURE GLS80 Screw Caps

- ▶ Made of PSU with highly inert PTFE coated silicone seal
- ▶ High chemical and thermal resistance
- ▶ Autoclavable
- ▶ Certificate of analysis available per batch
- ▶ Full traceability



Cat. No.	Description	Units/box	Price/box
097009	Screw cap GLS80	5	N/A -

Stericlin® Caps in ready-to-sterilise packaging

- ▶ **Stericlin® Packaging**
- ▶ Sterile barrier according to DIN ISO 11607 consisting of film and medical paper
- ▶ Designed to maintain sterile status after sterilisation, three indicators for sterilisation STEAM, EO and FORM printed in the side seal of the package
- ▶ Effective germ barrier while being permeable to air, steam and sterilising gases
- ▶ With colour change indicator
- ▶ **Caps**
- ▶ Material: TpCh260 (similar to PFA)
- ▶ Excellent thermal resistance between -196 °C and + 260 °C
- ▶ Ideal for dry heat sterilisation/depyrogenation
- ▶ Very high chemical resistance, complies with USP class VI
- ▶ Sterilisation possible directly in the Stericlin® package
- ▶ Sterile storage up to 6 months after sterilisation

Premium caps produced in a class 7 cleanroom according to EN ISO 14644-1, completed with a PTFE seal in the Stericlin® package to be sterilised.



Cat. No.	Description	Price 5 units
092080	Premium cap GL 25, PTFE silicone seal	N/A -
092081	Premium cap GL 45, PTFE silicone seal	N/A -

DURAN® aluminium GL45 screw caps



Cat. No.	Description	Units/box	Price/box
096960	Cap GL45 with high temperature resistant silicone PTFE coating seal	10	N/A -
096961	Cap with 34 mm aperture	10	N/A -

Accessories

Cat. No.	Description	Units/box	Price/box
096962	Phenolic cap compatible with aluminium cap Cat. No. 096961	10	N/A -
096963	PTFE replacement seal 43.5 x 3 mm	10	N/A -
096035	Pre-punched bromobutyl septum for GL45 caps with central aperture	10	N/A -
083461	Silicone septum (peroxide catalysed) for GL45 cap 42.7 x 3 mm	100	N/A -

- Alternatives to plastic caps
- Made of aluminium, free of hydrocarbon plastics (plasticizers, phthalates, etc.)
- Temperature resistant up to +260 °C (depyrogenation or hot air sterilisation); allows storage at low temperatures
- Compatible with DURAN® bottles from 100 ml to 20 l
- Septum supplied unassembled for ease of handling and replaceability
- The surface of the cap allows opening and closing even when the cap is wet or when wearing gloves
- Conductive material, ESD dissipation
- Available in closed version with a PTFE coated seal or open version for use with a septum or cap
- Secure closure with PTFE-coated USP <88>Class VI seal
- The open version can be used with DURAN® GL 45 bromobutyl rubber septum or silicone septa
- Optional 45mm plastic cap seals the open cap (opening)
- For the storage of sensitive samples, pharma API

GL45 and GL25 Caps, central aperture, adapted septum



- Suitable for GL45 caps with 34 mm central aperture and GL25 caps with 15 mm central aperture
- Easy piercing of the septum with a syringe
- **Bromobutyl septum**
- Low permeability to most gases, air, moisture
- Suitable for preservation of oxygen-sensitive products, anaerobic cultures
- Made of high quality bromobutyl elastomer
- Operating temperatures: -50 to +121 °C
- Autoclavable at 121 °C for 20 minutes
- **Silicone-PTFE septum**
- Made of PTFE-coated silicone, flexible for easy needle penetration and sealing after drilling
- High chemical resistance
- Liquid tightness
- Operating temperatures: -50 to +180 °C
- Autoclavable at 121 °C for 15 minutes
- Dry heat sterilisation up to 180 °C

Cat. No.	Description	Units/box	Price/box
090367	Red PBT cap GL45 with central aperture 34 mm	10	N/A -
096359	Red PBT cap GL25, centre opening 15 mm	10	N/A -
096035	Pre-drilled bromobutyl septum for GL45 cap with central aperture	10	N/A -
096036	PTFE silicone septum for GL45 cap with central aperture	10	N/A -
096358	Pre-drilled bromobutyl septum for GL25 cap with central aperture	10	N/A -

Duran® Tamper-evident Caps

The Schott polypropylene tamper-evident cap for laboratory bottles (DIN thread) ISO 4796 ensures the confidentiality of your bottle's contents.

- **Thread: GL 45**
- **Material: polypropylene**
- **Maximum operating temperature: up to 140 °C**
- **PTFE coated silicone lip seal**

Principle:

- on the first opening, the tamper-evident ring will be broken and the contents of the bottle will no longer be guaranteed;
- after the first use, the cap can be re-used as a simple laboratory bottle cap;
- no loss of liquid thanks to the polypropylene pouring rings.



Cat. No.	Description	Units/box	Price/box
090349	Lip seal cap	10	N/A -
091848	Silicone/PTFE sealing cap	10	N/A -

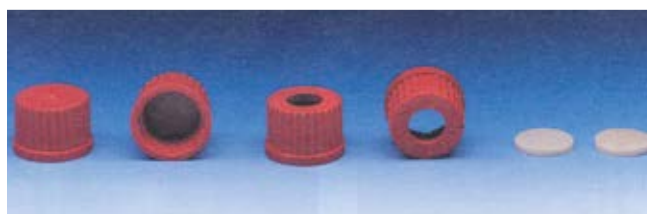
ISO caps with central aperture

- **In PBTP with central aperture**
- **For passing an electrode or sampling through a septum**
- **Designed for ISO type glass bottles**

Single caps

Cat. No.	GL	Hole diameter (mm)	Units/box	Price/box
046656	18	11	10	N/A -
046431	25	15	10	N/A -
046432	32	20	10	N/A -
046685	45*	34	10	N/A -

* crenellated version



ISO septum only

Silicone rubber septum or PTFE-coated silicone septum for ISO opening caps

GL	Out. ø (mm)	Thickness (mm)	Silicone			PTFE-coated silicone		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
18	16	2	046657	10	N/A -	-	-	-
25	22	2	046434	10	N/A -	046437	10	N/A -
32	29	2	046435	10	N/A -	046438	10	N/A -
45	42	3	046436	10	N/A -	-	-	-

Smart Waste Caps, multi-port

Safety caps for Nalgene bottles.

- **2 Neck sizes: B53 and B83**
- **PP caps, PTFE body and viton seal**
- **With 1/8" ferrules and fittings**
- **Equipped with a barbed port fitting and a threaded fitting for an activated charcoal cartridge**

Neck	1 inlet port	2 inlet ports	3 inlet ports	2 barbed ports	Price
B53	107013	107014	107015	107016	N/A -
B83	107021	107022	107023	107024	N/A -



Smart Waste Caps activated carbon filters

- **Effectively traps vapours at over 95%**
- **Suitable for activated carbon cartridge slots**

Cat. No.	Description	Time of use	Price
107025	Activated carbon filter, 25 grams	3 months	N/A -
107026	Activated carbon filter, 50 grams	6 months	N/A -
107027	Activated carbon filter, 50 grams with anti-splash cap	6 months	N/A -
107028	100 gram activated carbon filter	12 months	N/A -



Accessories for caps

DURAN® Silicone Caps



- > Versatile
- > Watertight closure.
- > Coloured
- > Reusable



Cat. No.	Colours	Opening diameter	Price
096346	Pink	43 - 61 mm	N/A -
096347	Cyan		N/A -
096348	Green		N/A -
096349	Pink	64 - 76 mm	N/A -
096350	Cyan		N/A -
096351	Green		N/A -
096352	Pink	84 - 116 mm	N/A -
096353	Cyan		N/A -
096354	Green		N/A -
096964	Pink	102 - 120 mm	N/A -
096965	Cyan		N/A -
096966	Green		N/A -
096967	Pink	132 - 147 mm	N/A -
096968	Cyan		N/A -
096969	Green		N/A -
096355	Pink	1 x 43 - 61 mm +	N/A -
096356	Cyan	1 x 64 - 76 mm +	N/A -
096357	Green	1 x 84 - 166 mm	N/A -
097013	Pink	1 x 102 - 120 mm + 1 x 132 - 147 mm	N/A -
097014	Cyan		N/A -
097015	Green		N/A -

DURAN® Torque wrench sockets



- > For screw cap GL25, 32 and 45
- > Apply the ideal force required for a tight closure of the caps
- > The type of cap is engraved on the top to avoid any mistake
- > Suitable for use in clean rooms
- > Engraved lot for complete traceability
- > In aluminium

Cat. No.	DURAN® Torque wrench sockets	Price
096952	For cap GL25 PP 28/31 Cat. No. 090320	N/A -
096953	For cap GL25 PBT 28/31 Cat. No. 096937	N/A -
096954	For cap GL25 PREMIUM 28/31 Cat. No. 092069	N/A -
096955	For cap GL32 PP Cat. No. 090321	N/A -
096956	For cap GL32 PBT Cat. No. 096335	N/A -
096957	For cap GL45 PP Cat. No. 090311, 083469, 090804 and 090805	N/A -
096959	For cap GL45 PBT Cat. No. 090310	N/A -
096958	For cap GL45 PREMIUM Cat. No. 090387	N/A -
096961	Cap	N/A -

Non-slip bottle opener



- > Makes it easy to open and close the bottles
- > Dome-shaped for use with all types of caps
- > Latex-free
- > Washable

Ø (cm)	Silver	Blue	Yellow	Price
5.2	178005	178006	178007	N/A -
11.8	178002	178003	178004	N/A -

Soda-lime glass reagent bottles

- With ground neck (supplied with polyethylene cap)
- Amber glass version ideal for light sensitive samples (UV protection up to 500 nm)
- Complies with ISO 4796-2

Capacity (ml)	Dimensions (Ø x H)(mm)	CN socket	Units/box	Clear glass		Amber glass	
				Cat. No.	Price/box	Cat. No.	Price/box
50	42 x 77	14/15	10	251549	N/A -	251554	N/A -
100	52 x 103	14/23	10	251550	N/A -	251555	N/A -
250	69 x 131	19/26	10	251551	N/A -	251556	N/A -
500	85 x 163	24/29	10	251552	N/A -	251557	N/A -
1000	107 x 199	29/32	10	251553	N/A -	251558	N/A -



Glass bottles with standard ground-glass cap

- Ground glass bottles
- In clear or amber glass
- Narrow or wide neck
- With glass or polyethylene cap

Vol.(ml)	RIN	Narrow neck clear glass				Narrow neck brown glass			
		Polyethylene cap		Glass cap		Polyethylene cap		Glass cap	
		Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
50	14.5	065237	N/A -	065243	N/A -	065249	N/A -	065255	N/A -
100	14.5	065238	N/A -	065244	N/A -	065250	N/A -	065256	N/A -
250	19	065239	N/A -	065245	N/A -	065251	N/A -	065257	N/A -
500	24	065240	N/A -	065246	N/A -	065252	N/A -	065258	N/A -
1000	29	065241	N/A -	065247	N/A -	065253	N/A -	065259	N/A -
2000	29	065242	N/A -	065248	N/A -	065254	N/A -	065260	N/A -



Vol.(ml)	RIN	With wide neck clear glass				With wide neck brown glass	
		Polyethylene cap		Glass cap		Polyethylene cap	
		Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
50	24	065261	N/A -	-	-	065273	N/A -
100	29	065262	N/A -	065268B	N/A -	-	-
250	34.5	065263	N/A -	-	-	065275	N/A -
500	45	065264	N/A -	-	-	065276	N/A -
1000	60	065265	N/A -	-	-	065277	N/A -



DROPPER BOTTLES

Borosilicate glass

Wheaton® glass bottles and dropper set



- ▶ Bottles and dropper, manufactured from 5.1 expansion clear tubular borosilicate glass, autoclavable
- ▶ In clear or amber glass
- ▶ Controlled drop size for consistency in dispensing
- ▶ For diagnostic analysis and pharmacy
- ▶ Pharmaceutical grade rubber bulbs
- ▶ Choice of coloured caps available on request (please consult us)

Clear glass bottles without cap

Cat. No.	Volume (ml)	ø x H (mm)	Neck ø (mm)	Units/box	Price/box
442701	3	16 x 36	14.5	1870	N/A -
442702	4.5	16 x 47	14.5	1870	N/A -
442703	7	20 x 43	18	980	N/A -
442704	10	20 x 58	18	980	N/A -

Dropper caps

Cat. No.	For volume flasks (ml)	Drop volume (µl)	Colours	Units/box	Price/box
442705	3	40	White	1870	N/A -
442706	4.5	40	White	1870	N/A -
442707	7	50	Black	980	N/A -
442708	10	50	Black	980	N/A -

Soda-lime glass

DIN 28 screw caps and DIN 28 caps



Screw-top bottles with DIN 28 neck

- ▶ Type III soda-lime glass bottles
- ▶ Bottles supplied without cap
- ▶ Available in clear or amber glass
- ▶ Complies with European and US pharmacopoeia specifications
- ▶ Vials and caps with batch number and certificate of analysis

Volume (ml)	H. (mm)	Max. inner ø (mm)	Clear glass			Amber glass		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
30	67	35	942985	108	N/A -	942740B	110	N/A -
60	94	38.6	942741	127	N/A -	-	-	-
250	142.9	61.7	810414B	49	N/A -	-	-	-
500	176.8	76.8	810415B	30	N/A -	810419	35	N/A -
1000	215.6	97.5	810416	20	N/A -	-	-	-

Dropper cap with plastic tube DIN 28



- ▶ Polyethylene with seal, teat and plastic tube
- ▶ Tube to be cut to fit the length of the bottle

Cat.No.	Description	Price
942728	Dropper cap with plastic tube	N/A -

Dropper cap with DIN 28 glass tube



- ▶ Polyethylene with seal, latex teat and glass tube

Cat. No.	tube L. (mm)	For bottle vol. (ml)	Price
942729	65	30	N/A -
942730	90	60	N/A -
942731	110	125	N/A -

Screw cap DIN 28 made of white polyethylene with tamper evident ring



Cat. No.	Description	Price
942737	Screw cap with tamper evident ring	N/A -

Screw cap with polyethylene DIN 28 safety collar



Ring colour	White			Red
	Blue	Red	Yellow	White
Cat.No.	942732B	942733B	942735B	942736B
Price/ 100 units	N/A -	N/A -	N/A -	N/A -

DROPPER BOTTLES

Soda-lime glass bottles, standard cap or dropper

- > In clear or amber glass
- > Standard aperture PP28, syrup bottle type
- > Supplied without cap
- > Different types of caps, black or white with dropper caps for volumes of 30, 60 and 125 ml

Vol. (ml)	Tot. Vol. (ml)	ø x H without cap (mm)	Units/box	Clear	Price/box	Amber	Price/box
30	37	35 x 67	156	673300B	N/A -	673313B	N/A -
60	67	38.6 x 92.7	127	673301	N/A -	673314B	N/A -
100	108	46.1 x 104.8	86	673303	N/A -	673316C	N/A -
250	260	60.8 x 143	60	673305C	N/A -	673318	N/A -
500	546	76 x 183.5	35	673306B	N/A -	673319D*	N/A -
1000	1106	96.5 x 229	20	673307	N/A -	673320	N/A -

* Units/box: 32



PP28 Caps

Cat. No.	Description	Price 100 units
673308	PP28 Cap, black	N/A -
673336B	PP28 Cap, white	N/A -
673310	PP28 cap with dropper 30 ml	N/A -
673311	PP28 cap with dropper 60 ml	N/A -
673312	PP28 cap with dropper 125 ml	N/A -
674048A	PP28 cap, reinforced sealing - butyl PTFE seal	N/A -

Amber Glass Dropper Bottles

- > Amber glass
- > Suitable for GL18 cap

Cat. No.	Volume (ml)	ø x H (mm)	Units/box	Price/box
674425	10	23.8 x 62.3	180	N/A -
674426	30	32.8 x 80.2	143	N/A -
674427C	50	39 x 92.9	114	N/A -
674428	100	47 x 110.7	68	N/A -

GL18 Caps

Cat. No.	Description	Price 100 units
674429	Tamper-proof cap, black	N/A -
674430	Cap with dropper for 10 ml bottle	N/A -
674434	Cap with spray pump for 30 ml bottle	N/A -



Blue or green glass dropper bottles



- > Soda-lime glass type III
- > DIN-18 Neck

Cat.No.	Colours	Volume (ml)	Height (mm)	Ø (mm)	Units/box	Price/box
942787B	Cobalt blue	5	50	22	255	N/A -
942788B	Cobalt blue	10	58	25	192	N/A -
942789	Cobalt blue	15	65	28	156	N/A -
942790	Cobalt blue	30	79	33	110	N/A -
942791	Green	5	50	22	255	N/A -
942792	Green	10	58	25	600	N/A -
942793	Green	15	65	28	156	N/A -
942794B	Green	30	79	33	110	N/A -

Internal dropper safety caps

- > Polyethylene with seal

Cat.No.	Colours	Price
942775	Yellow	N/A -

Dropper caps with glass tube

- > Polyethylene with seal
- > Silicone teat

Cat.No.	For flask	Price
942776	5 ml	N/A -
942777B*	10 ml	N/A -
942778	15 ml	N/A -
942779	30 ml	N/A -

*Sales unit x 100

Borosilicate glass

6 ml Glass Scintillation Vials



- Caps separately packaged
- 6 ml vials
- ASTM type I class A and USP type I standards
- Made of low-potassium glass
- Size with mounted cap: 17 x 58 mm

Cat. No.	Composition of the cap	Seal cap	Cap	Units/box	Price/box
048454	Urea	Metal	15-425	1000	N/A -

20 ml Scintillation Vials



- 20 ml vials
- Made from glass with low potassium rate
- ASTM type I class A and USP type I standards
- Dimensions of assembled cap: 28 x 61 mm
- Screw cap attached
- Supplied assembled in trays compartmentalised into 100 pieces

Cat. No.	Composition of the cap	Seal Cap	Cap	Units/box	Price/box
052815	Polypropylene	Polyethylene	22-400	500	N/A -
048444	Polypropylene	Metal	22-400	500	N/A -
048445	Urea	Metal	22-400	500	N/A -
048446	Urea	Poly-seal cone	22-400	500	N/A -
048885	Urea	Polyethylene	22-400	500	N/A -
442715	Polypropylene	Polyethylene	24-400	500	N/A -
048809	Polypropylene	Metal	24-400	500	N/A -

20 ml Glass Scintillation Vials



KG-33 borosilicate glass scintillation vial. The glass is potassium free, has minimal background noise. The vials are presented on trays of 100 units, with alphanumeric markings.

- ø x H: 28 x 61 mm with cap
- Neck ø: 22 mm
- Volume: 20 ml

Cat. No.	Type Cap	Seal	Cap	Pack unit.	Units/box	Price/box
045293	Urea	Cork - aluminium	Mounted	100	500	N/A -
045294	Polypropylene	Expanded PEL	Mounted	100	500	N/A -
045295	Urea	Polyseal Cone	Mounted	100	500	N/A -
045296	Urea	Cork - aluminium	Not mounted	100	500	N/A -
045298	Urea	Polyseal Cone	Not mounted	100	500	N/A -

Racks

Wheaton® Rack for 50 scintillation vials

- For 20 ml tubes, max. diameter 28 mm
- Made of polypropylene
- With drainage hole under each slot
- Dimensions: 33 x 17 x 3 cm

Cat.No.	Description	Price
048457	Rack for 5 x 10 scintillation vials, 20 ml	N/A -



Wheaton® Rack for 48 scintillation vials

- Max. Diameter 15 mm
- Made of polypropylene
- Dimensions: 26.6 x 9.4 x 2.8 cm

Cat.No.	Description	Price
048458	Rack for 4 x 12 vials	N/A -



Wheaton® Rack for scintillation vials from 13 to 17 mm ø

- For 90 samples
- Dimensions: 32 x 17 x 3 cm

Cat.No.	Description	Price
048459	Rack for 6 x 15 vials	N/A -



Rack for 24 Scintillation Vials, 20 ml

- In autoclavable polypropylene
- Corrosion resistant
- L x W x H: 298 x 127 x 95 mm

Cat.No.	Description	Price
085250	Rack for scintillation vials	N/A -



SAMPLE BOTTLES

Borosilicate glass - Straight edge

Glass bottles with SNAP neck



Plastic scintillation vials:
See pages 846 and 847

- Borosilicate glass
- Autoclavable
- Adapted for Snap tight-fit cap

Cat. No.	Volume (ml)	Dimension \varnothing x H (mm)	Neck diameter (mm)	Units/box	Price/box
440235	7	23 x 35	22	190	N/A -
440230	10	23 x 47	22	190	N/A -
440231	15	25 x 48	22	162	N/A -
440232	20	25 x 66	22	162	N/A -
440234	30	27 x 73	22	140	N/A -

Caps

Cat. No.	Description	Units/box	Price/box
440233	Snap Cap, PE, 22 mm \varnothing	190	N/A -
050945	Snap Cap, LDPE, 22 mm \varnothing	162	N/A -

Tubular and Moulded Sample Bottles



- Borosilicate glass
- Autoclavable
- Capping neck

Cat. No.	Type	Volume (ml)	Dim. \varnothing x H (mm)	Neck \varnothing (mm)	Units/box	Price/box
440255	Tubular	2	15 x 33	13	466	N/A -
440257	Tubular	5	23 x 39	20	208	N/A -
440251	Tubular	10	24 x 46	20	160	N/A -
440258	Tubular	20	29 x 56	20	95	N/A -
440250B	Moulded	100	52 x 94	20	49	N/A -

SNAP butyl rubber caps

Cat. No.	Type	\varnothing (mm)	Units/box	Price/box
440252	Butyl cap	13	1000	N/A -
440254	Butyl cap	22	1000	N/A -
442637	Freeze-drying cap	13	1000	N/A -
442639	Silicone injection cap	20	1000	N/A -

Serum Vials



G-33 clear borosilicate glass serum vials (or penicillin vials). They are sealed with rubber caps or aluminium lids. Autoclavable and freezable, thanks to their great neutrality, they are ideal for handling and storing reagents, culture media, blood plasma, vaccines, chromatography samples, etc.

Cat. No.	Volume (ml)	\varnothing x H (mm)	Neck \varnothing (mm)	Units/box	Price/box
045254	2	15 x 40	13	288	N/A -
045255	3.5	18 x 45	13	144	N/A -
045256	5	23 x 47	20	288	N/A -
045257	10	25 x 54	20	288	N/A -
045258	20	30 x 57	20	144	N/A -

Glass Sample Bottles with Conical Bottom



048505 to 048509

- For maximum sample recovery
- Made of borosilicate glass with low extractables to ASTM Type I Class A and USP Type I standards

Bottles only

Cat. No.	Capacity (ml)	Mouth* (mm)	\varnothing x H (mm)	Units/box	Price/box
048505	0.3	7 x 13	13 x 32	12	N/A -
048506	1	7 x 13	13 x 41	12	N/A -
048507	2	13 x 20	20 x 40	12	N/A -
048508	3	13 x 20	20 x 46	12	N/A -
048509	5	13 x 20	20 x 61	12	N/A -

* For inner \varnothing x outer \varnothing mouth.

Borosilicate Glass - Straight Edge

Serum Bottles

- In clear or amber glass
- Borosilicate glass (USP type I standards)
- Volumes from 2 to 125 ml

Clear glass

Cat. No.	Capacity (ml)	Mouth* (mm)	Ø x H (mm)	Units/box	Price/box
052821	2	7 x 13	17.5 x 35	288	N/A -
048670	5	13 x 20	23 x 47	288	N/A -
048671	10	13 x 20	25 x 54	288	N/A -
048672	20	13 x 20	32 x 58	288	N/A -
048673	30	13 x 20	37 x 63	288	N/A -
048674	50	13 x 20	43 x 73	288	N/A -
048675	60	13 x 20	41 x 91	144	N/A -
048676	100	13 x 20	52 x 95	144	N/A -
048677	125	13 x 20	54 x 107	144	N/A -

* For inner Ø x outer Ø mouth.

Amber glass

Cat. No.	Capacity (ml)	Mouth* (mm)	Ø x H (mm)	Units/box	Price/box
048678	5	13 x 20	23 x 47	288	N/A -
048463	10	13 x 20	25 x 54	288	N/A -
048464	20	13 x 20	32 x 58	288	N/A -
048465	30	13 x 20	37 x 63	288	N/A -
048466	50	13 x 20	43 x 73	288	N/A -
048467	100	13 x 20	52 x 95	144	N/A -

* For inner Ø x outer Ø mouth.



Serum Bottles for Freeze-drying Applications

- For freeze drying applications, reinforced bottom
- Inner edge with a groove to ensure a good seal with Snap-on plugs
- Shrink-wrapped modules reduce particulate contamination
- Low-extractable borosilicate glass (ASTM Type I Class A and USP Type I standards)

Clear glass

Cat. No.	Capacity (ml)	Mouth* (mm)	Ø x H (mm)	Units/box	Price/box
048668	2	7 x 13	15 x 32	144	N/A -
048468	3	7 x 13	17 x 38	144	N/A -
048469	5	13 x 20	22 x 40	144	N/A -
048470	10	13 x 20	24 x 50	144	N/A -
048471	20	13 x 20	30.5 x 58	120	N/A -

* For inner Ø x outer Ø mouth.

Amber glass

Cat. No.	Capacity (ml)	Mouth* (mm)	Ø x H (mm)	Units/box	Price/box
048472	2	7 x 13	15 x 32	144	N/A -
048473	5	13 x 20	22 x 40	144	N/A -
048474	10	13 x 20	24 x 50	144	N/A -

* For inner Ø x outer Ø mouth.



Borosilicate Glass - Straight Edge

Wheaton® Completepak



- Crimp bottles, rubber stoppers and Flip caps, high quality and cleanliness
- Ready-to-use items: cleaned, depyrogenated and sterilised (autoclave)
- Complete traceability of production
- Supplied with batch certificate
- Complies with European Pharmacopoeia and US Pharmacopoeia for sterility, particulate and endotoxins
- Elements available in kits or separately:
- Serum bottles, type I clear borosilicate glass
- Serum caps or freeze-drying caps:
 - Omniflex 3G: elastic, very low residual adhesion, low extractables
 - Ultrapure: made of high chemical purity bromobutyl, with low gas permeability, latex and nitrosamine free
- Flip Cap crimp in blue or red

Completepak components

➤ Serum bottles

Cat. No.	055814	055815	055816
Volume (ml)	2	5	10
Neck diameter (mm)	13	20	20
Units/box	210	200	158
Price/box	N/A -	N/A -	N/A -

➤ Caps

Type	Serum/ Omniflex		Serum/ Ultrapure		Freeze drying/ igloo Ultrapure	
Cat. No.	055817	055820	055818	055821	055819	055822
Neck diameter (mm)	13	20	13	20	13	20
Units/box	230	220	230	220	230	220
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

➤ Flip Cap

Cat. No.	055823	055824	055825	055826
Diameter (mm)	13		20	
Colours	Red	Blue	Red	Blue
Units/box	230	230	220	220
Price/box	N/A -	N/A -	N/A -	N/A -

Completepak kits

➤ 2 ml vials (13 mm neck)

➤ Pack containing 210 vials, 230 stoppers and Flip Cap

Cat. No.	055827	055828	055829	055830	055831	055832
Ultrapure Serum stoppers	•			•		
Ultrapure Omniflex		•			•	
Serum stoppers						
Igloo Omniflex			•			•
freeze-drying stoppers						
Cap colour	Blue			Red		
Price/kit	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

➤ 5 ml vials (20 mm neck)

➤ Pack containing 200 vials, 220 stoppers and Flip Caps

Cat. No.	055833	055834	055835	055836	055837	055838
Ultrapure Serum stoppers	•			•		
Ultrapure Omniflex		•			•	
Serum stoppers						
Igloo Omniflex			•			•
freeze-drying stoppers						
Cap colour	Blue			Red		
Price/kit	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

➤ 10 ml vials (20 mm neck)

➤ Pack containing 158 vials, 220 stoppers and Flip Caps

Cat. No.	055839	055840	055841	055842	055843	055844
Ultrapure Serum stoppers	•			•		
Ultrapure Omniflex		•			•	
Serum stoppers						
Igloo Omniflex			•			•
freeze-drying stoppers						
Cap colour	Blue			Red		
Price/kit	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

In borosilicate glass - Screw edge

Borosilicate Glass Sample Bottles



- ▶ In borosilicate glass, autoclavable
- ▶ Recommended for freeze-drying
- ▶ Screw-in neck

Cat. No.	Type	Vol. (ml)	Dim. ϕ x H (mm)	Neck ϕ (mm)	Units/box	Price/box
440249	Transparent	3	18 x 36	15.5	320	N/A -
442623	Transparent	5	18 x 41	15.5	320	N/A -
442624	Transparent	10	25 x 50	22	154	N/A -
442625	Transparent	20	28 x 63	22	130	N/A -
442626	Transparent	25	32 x 63	22	99	N/A -
442627	Amber	3	18 x 36	15.5	320	N/A -
442628	Amber	5	18 x 41	15.5	320	N/A -
442629	Amber	10	25 x 50	22	154	N/A -
440247	Amber	20	28 x 63	22	130	N/A -
442630	Amber	25	32 x 63	22	99	N/A -

Caps

Cat. No.	Type	ϕ (mm)	Units/box	Price/box
440253	Butyl freeze-drying cap	14	1000	N/A -
442633	Butyl freeze-drying cap	20	1000	N/A -
440246	White PP cap	15.5	1000	N/A -
440248	White PP cap	22	1000	N/A -
442631	White urea EPE cap	15.5	1000	N/A -
442632	White urea EPE cap	22	1000	N/A -

KIMBLE Sample vials with screw cap



KG-33 borosilicate glass flasks ensure perfect sample stability. Flat bottom and gasketed caps, autoclavable and freezable.

Cat. No.	Volume (ml)	ϕ x H (mm)	Cap type	Units/box	Price/box
045217B	2	12 x 35	8 - 425	288	N/A -
045218	4	15 x 45	13 - 425	144	N/A -
045219	8	17 x 60	15 - 425	144	N/A -
045220	12	19 x 65	15 - 425	144	N/A -
045221	16	21 x 70	18 - 400	144	N/A -
045222	24	23 x 85	20 - 400	144	N/A -

KIMBLE Uncapped Sample Vials

Screw-necked flasks made of borosilicate glass KG-33 or amber 203, ensuring perfect sample stability. Flat bottom. They can be complemented by a wide range of screw caps.

Low flasks, Clear KG-33 glass

Volume (ml)	ϕ x H (mm)	Screw neck type	Cat. No.	Units/box	Price/box
2	15 x 28	13 - 425	045235	200	N/A -
6	19 x 40	15 - 425	045237	200	N/A -



High flasks

Volume (ml)	ϕ x H (mm)	Screw neck type	Transparent glass KG-33 vials			Amber 203 glass vials		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
2	12 x 32	8 - 425	045223	100	N/A -	045230	100	N/A -
4	15 x 45	13 - 425	045224B	100	N/A -	045231B	100	N/A -
8	17 x 60	15 - 425	045225	200	N/A -	045232	200	N/A -
12	19 x 65	15 - 425	045226	200	N/A -	045233B	200	N/A -
16	21 x 70	18 - 400	045227	200	N/A -	-	-	-
20	23 x 85	20 - 400	045228	200	N/A -	-	-	-

SAMPLE BOTTLES

Screw caps for KIMBLE vials



Vials can be capped with a wide range of cap types.

- Phenolic caps with PTFE seal: excellent thermal and chemical resistance (A).
- Open polypropylene caps with PTFE-faced silicone septum (B).
- Open phenolic caps with PTFE-faced silicone septum (C).

Screw neck type	Phenolic caps with PTFE seal (A)			PP cap with septum (B)			Phenolic caps with septum (C)		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
8 - 425	045238	144	N/A -	045249	100	N/A -	045251	100	N/A -
13 - 425	045239	144	N/A -	045250	100	N/A -	045252	100	N/A -
15 - 425	045240	144	N/A -	-	-	-	-	-	-
18 - 400	045241	144	N/A -	-	-	-	-	-	-
20 - 400	045242	144	N/A -	-	-	-	-	-	-
24 - 400	045243	144	N/A -	-	-	-	-	-	-

White Glass Plasma Flasks



- Type I neutral white borosilicate glass flasks
- Sold without cap
- Ring: PHIE 40

Cat. No.	Base Ø (mm)	Flask H. (mm)	Capacity (ml)	Units/box	Price/box
674022	90	152	500	24	N/A -
674023B	90	247	1000	20	N/A -
674024	120	282	2000	9	N/A -

Stoppers and caps for plasma vials

Cat. No.	Description	Units/box	Price/box
674025	Red rubber septum cap	100	N/A -
674026	40 mm perforated aluminium screw cap	100	N/A -
674027	40 mm perforated aluminium screw cap	1500	N/A -



Clear Glass Bottles



- Borosilicate clear glass bottles with low extractable content (ASTM type I classe A and USP type I standards)

- Autoclavable
- Black phenolic caps with white rubber seal
- Delivered in cardboard boxes with crossbars, plastic over-wrapping to protect against dust
- Mounted caps

Cat. No.	Capacity (ml)	Ø x H (mm)	Cap	Units/box	Price/box
048398	2	12 x 38	8-425	288	N/A -
048399	4	15 x 48	13-425	144	N/A -
048400	8	17 x 63	15-425	144	N/A -
048401	12	19 x 68	15-425	144	N/A -
048402	16	21 x 73	18-400	144	N/A -
048679	24	23 x 88	20-400	144	N/A -
048680	20	28 x 60	24-400	72	N/A -
048681	25	28 x 73	24-400	72	N/A -
048682	40	28 x 98	24-400	72	N/A -

Amber Glass Vials

- Borosilicate amber glass vials with low extractables (ASTM type I class B and USP type I standards)
- Autoclavable
- Delivered in cardboard boxes with crossbars, plastic over-wrapping to protect against dust
- Mounted caps

Cat. No.	Vol. (ml)	Uses	ø x H (mm)	Cap	Seal	Units/box	Price/box
048403	2	Aqueous solution	12 x 38	8-425	Rubber	288	N/A -
048404	4	Aqueous solution	15 x 48	13-425	Rubber	144	N/A -
048405	8	Aqueous solution	17 x 63	15-425	Rubber	144	N/A -
048406	20	Organic solution	28 x 60	24-400	PTFE	72	N/A -
048407	40	Organic solution	28 x 98	24-400	PTFE/rubber	72	N/A -



Clear Glass Low Vials

- Borosilicate glass vials with low extractables (ASTM type I class A and USP type I standards)
- Autoclavable
- Black phenolic caps with white rubber seal
- Delivered in cardboard boxes with crossbars, plastic over-wrapping to protect against dust
- Caps mounted or uncapped

Low vials with cap

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048408	2	15 x 31	13-425	200	N/A -
048409	4	17 x 41	15-425	200	N/A -
048410	6	19 x 43	15-425	200	N/A -

Low bottles without cap

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048414	2	15 x 28	13-425	200	N/A -
048415	4	17 x 38	15-425	200	N/A -
048416	6	19 x 40	15-425	200	N/A -



See caps on page 1067

Clear Glass Culture Flasks

- Borosilicate glass vials with low extractables (ASTM type I class A and USP type I standards)
- Autoclavable
- Black phenolic caps with white rubber seal
- Delivered in cardboard boxes with crossbars, plastic over-wrapping to protect against dust
- Mounted caps

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048411	4	15 x 51	13-415	144	N/A -
048412	8	17 x 70	15-415	144	N/A -
048413	12	19 x 72	15-415	144	N/A -



Economical Clear Glass Vials without cap



See caps on page 1067



- ▶ Borosilicate glass vials with low extractables (ASTM type I class A and USP type I standards)
- ▶ Transparent
- ▶ Shrink-wrapped plastic dust cover (reduces contamination)

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048417	1.8	12 x 32	8-425	200	N/A -
048418	2	12 x 35	8-425	200	N/A -
048419	4	15 x 45	13-425	200	N/A -
048420	8	17 x 60	15-425	200	N/A -
048421	12	19 x 65	15-425	200	N/A -
048422	16	21 x 70	18-400	200	N/A -
048423	24	23 x 85	20-400	200	N/A -
048424	20	28 x 57	24-400	200	N/A -
048425	40	28 x 95	24-400	200	N/A -
048426	60	30 x 125	24-400	143	N/A -

Economy Amber Glass Vials without cap



- ▶ Amber glass bottles (ASTM type I class B and USP type I standards)
- ▶ Protection for light-sensitive samples

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Units/box	Price/box
048427	1.8	12 x 32	8-425	200	N/A -
048428	2	12 x 35	8-425	200	N/A -
048429	4	15 x 45	13-425	200	N/A -
048430	8	17 x 60	15-425	200	N/A -



See caps on page 1067

Vials, pre-ranged in boxes



- ▶ Clear polystyrene vial file case with hinged lid
- ▶ With alphanumeric indexing
- ▶ Foam cushioning at the bottom of the case
- ▶ Borosilicate glass with low rates of extractables (ASTM type I class A and USP type I standards) or low retention treated polypropylene

Cases with clear glass vials and black phenolic caps with rubber line

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Flasks/box	Price/box
048389	2	12 x 38	8-425	60	N/A -
048390	4	15 x 48	13-425	40	N/A -

Boxes with amber glass bottles and black phenolic stopper with rubber seal

Cat. No.	Capacity (ml)	ø x H (mm)	Cap	Flasks/box	Price/box
048391	2	12 x 38	8-425	60	N/A -
048392	4	15 x 48	13-425	40	N/A -

Empty cases

Cat. No.	Description	Units/box	Price/box
048396	Empty case, 60 x 2 ml vials	6	N/A -
048397	Empty box, 40 x 4 ml vials	6	N/A -

Glass Vials with Conical Bottoms



NextGen V vial graduated vials, clear glass with black phenolic cap

Volume (ml)	Size	ø x H (mm) with cap	Rubber 14B cap PTFE-faced		Open cap in PTFE-faced silicone	
			Cat. No.	Price 12 units	Cat. No.	Price 12 units
0.3	13-425	13 x 55	050319	N/A -	048517	N/A -
1	13-425	13 x 44	050320	N/A -	048518	N/A -
2	15-415	17 x 61	050321	N/A -	-	-
2	20-400	20 x 44	050322	N/A -	048519	N/A -
3	20-400	20 x 50	050323	N/A -	048520	N/A -
5	20-400	20 x 65	050324	N/A -	048521	N/A -

NextGen V Vial in clear glass without cap

Cat. No.	Volume (ml)	Vial size int x ext (mm)	ø x H (mm)	Units/box	Price/box
050333	0.1	5 x 11	12 x 32	12	N/A -
050334	0.3	5 x 11	12 x 32	12	N/A -

Amber vial with screw mouth without cap

Cat. No.	Volume (ml)	ø x H (mm)	Cap size	Units/box	Price/box
050346	1	13 x 44	13-425	12	N/A -
050347	2	20 x 44	20-400	12	N/A -
050349	5	20 x 65	20-400	12	N/A -



- In clear or amber glass
- Conical bottom ensures maximum sample recovery
- Packaging using low particle release materials
- With screw-on or serum cap

NextGen V Vial Non-graduated vials, in clear glass with black phenolic cap

Volume (ml)	Size	ø x H (mm) with cap	Rubber 14B cap PTFE-faced		Open cap in PTFE-faced silicone	
			Cat. No.	Price 12 units	Cat. No.	Price 12 units
0.1	8-425	12 x 35	-	-	050325	N/A -
0.3	13-425	13 x 35	048510	N/A -	050327	N/A -
0.3	8-425	12 x 35	-	-	050326	N/A -
1	13-425	13 x 44	048511	N/A -	050328	N/A -
2	15-415	17 x 61	048512	N/A -	-	-
2	20-400	20 x 44	048513	N/A -	050329	N/A -
3	20-400	20 x 50	048514	N/A -	050330	N/A -
5	20-400	20 x 65	048515	N/A -	050331	N/A -
10	24-400	24 x 72	048516*	N/A -	050332*	N/A -

* sold per 6

NextGen V Vial Non-graduated vials, in amber glass with black phenolic cap

Volume (ml)	Size	ø x H (mm) with cap	Rubber 14B cap PTFE-faced		Open cap in PTFE-faced silicone	
			Cat. No.	Price 12 units	Cat. No.	Price 12 units
1	13-425	13 x 44	050336	N/A -	050341	N/A -
2	20-400	20 x 44	050337	N/A -	050342	N/A -
5	20-400	20 x 65	050339	N/A -	050344	N/A -

Glass sample vials with conical bottom

Vials with PTFE-faced phenolic caps

Cat. No.	Capacity (ml)	Cap	ø x H (mm)	Units/box	Price/box
048510	0.3	13-425	13 x 35	12	N/A -
048511	1	13-425	13 x 44	12	N/A -
048512	2	15-415	17 x 61	12	N/A -
048513	2	20-400	20 x 44	12	N/A -
048514	3	20-400	20 x 50	12	N/A -
048515	5	20-400	20 x 65	12	N/A -
048516	10	24-400	24 x 72	6	N/A -

Graduated bottles with open PTFE-faced phenolic caps

Cat. No.	Capacity (ml)	Cap	ø x H (mm)	Units/box	Price/box
048517	0.3	13-425	13 x 35	12	N/A -
048518	1	13-425	13 x 44	12	N/A -
048519	2	20-400	20 x 44	12	N/A -
048520	3	20-400	20 x 50	12	N/A -
048521	5	20-400	20 x 65	12	N/A -



048510 to 048516



048517 to 048521

SAMPLE BOTTLES

Soda-lime glass - Straight edge



Glass Sample Bottle

- In clear or amber glass
- Volume from 3 to 100 ml
- With polyethylene snap cap (to be ordered separately)



Clear glass sample bottles

Capacity (ml)	H x out. (mm)	Neck ø (mm)	Sample bottle			Cap		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
3	30 x 19	13	046576	200	N/A -	046574	200	N/A -
5	40 x 19	13	046577B	200	N/A -	046574	200	N/A -
10	45 x 22	17	046578	200	N/A -	046573	200	N/A -
15	52 x 24	17	046572	200	N/A -	046573	200	N/A -
20	70 x 25	17	046579	200	N/A -	046573	200	N/A -
20	55 x 27	17	046580	200	N/A -	046573	200	N/A -
30	75 x 28	17	046581	200	N/A -	046573	200	N/A -
25	50 x 30	22	046582B	200	N/A -	046575B	200	N/A -
35	65 x 30	22	046583	200	N/A -	046575B	200	N/A -
40	80 x 30	22	046584	200	N/A -	046575B	200	N/A -
50	100 x 30	22	046585	200	N/A -	046575B	200	N/A -
100	145 x 34	22	046586	100	N/A -	046575B	200	N/A -

Amber glass sample bottle (without cap)

Cat. No.	Volume (ml)	Ext. ø x H (mm)	Inner ø (mm)	Units/box	Price/box
068657	18	32 x 43	20	210	N/A -

Cap for amber glass sample bottle

Cat. No.	Description	Units/box	Price/box
068661	Cap SC 30 mm	100	N/A -

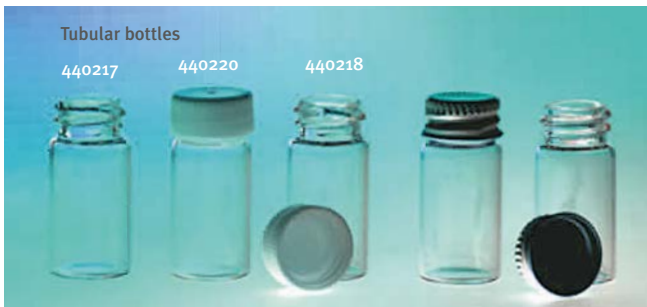
Made of soda-lime glass - Screw edge

Tubular or moulded glass bottles

➤ Tubular bottles

- Soda-lime glass
- Screw-in neck

- Universal bottles, 30 ml
- Bijou vial, 7 ml



➤ Moulded bottles

- Borosilicate glass
- Autoclavable

- Screw-in neck



Tubular bottles

Vol. (ml)	ø x H (mm)	Neck ø (mm)	Units/box	Bottles only		Bottle with PP cap		Bottle with separate PP cap	
				Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
7	20 x 43	18	1715	440217	N/A -	440220	N/A -	440218	N/A -
30	27 x 82	24	500	440213	N/A -	440225	N/A -	440224	N/A -

Moulded bottles

Vol. (ml)	ø x H (mm)	Neck ø (mm)	Bottles only			Bottle with PP cap			Bottle with aluminium cap		
			Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
7	22 x 50	20	440214	255	N/A -	-	-	-	440216	288	N/A -
30	28 x 83	28	440211	150	N/A -	440212	144	N/A -	440210	144	N/A -

Caps for tubular or moulded vials

In self-sealing polypropylene or aluminium with non-toxic rubber seal.

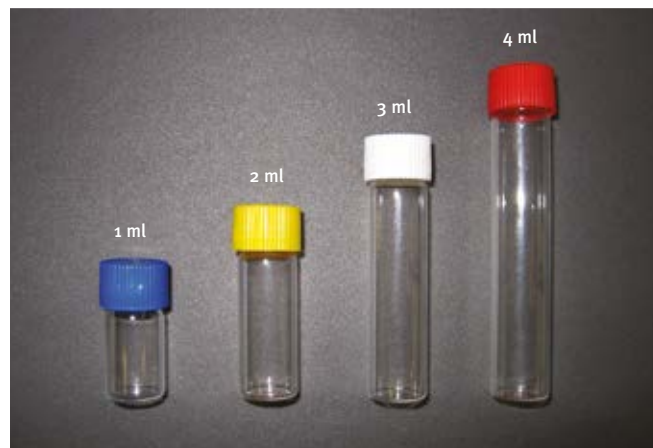
- Autoclavable
- Suitable for bottles 440217, 440213, 440214, 440211



ø (mm)	Units/box	Polypropylene		Aluminium	
		Cat. No.	Price/box	Cat. No.	Price/box
18	1000	440201	N/A -	-	-
20	1000	-	-	440202	N/A -
24	1000	055891	N/A -	-	-
28	1000	440209	N/A -	440208	N/A -

SAMPLE BOTTLES

Glass Bottles 1, 2, 3, 4 and 5 ml



- ▶ White glass, available in different volumes: 1, 2, 3, 4 and 5 ml
- ▶ With aluminium, coloured autoclavable plastic or open autoclavable plastic cap with septum
- ▶ Without marking surface

- ▶ Polypropylene boxes are autoclavable at 121 °C
- ▶ The bottles are delivered without the boxes
- ▶ Clear or amber bottles for 1 and 2 ml

	For flask glass 1 ml	For 2 ml glass bottle	For 3 ml glass bottle	For 4 ml glass bottle	For 4 ml glass bottle	For 5 ml glass bottle
Tubes dimensions \varnothing x H (mm)	12 x 25	12 x 36	12 x 50	14 x 48	12 x 64	14,5 x 40
PS or PP box dimensions for 50 tubes L x W x H (mm)	140 x 70 x 40	140 x 70 x 40	-	-	-	-
PP box dimensions for 96 tubes L x W x H (mm)	172.5 x 116.5 x 40.5	172.5 x 116.5 x 40.5	172.5 x 116.5 x 56	172.5 x 116.5 x 72	172.5 x 116.5 x 72	-
PP box dimensions for 24 tubes L x W x H (mm)	-	-	-	145 x 55 x 50	-	145 x 55 x 50

	Transparent bottle, 1 ml	Amber bottle, 1 ml	Transparent bottle, 2 ml	Amber bottle, 2 ml	Transparent bottle, 3 ml	Transparent bottle, 4 ml
	Cat. No.	Price bag	Cat. No.	Price bag	Cat. No.	Price bag

Bottles without box

	Units/bag/	Cat. No.	Price bag	Cat. No.	Price bag	Cat. No.	Price bag	Cat. No.	Price bag	Cat. No.	Price bag	Cat. No.	Price bag
With aluminium cap	1000	042600	N/A -	042686	N/A -	042615	N/A -	042699	N/A -	042630	N/A -	042645	N/A -
With white cap	1000	042601	N/A -	042687	N/A -	042616	N/A -	042700	N/A -	042631	N/A -	042646	N/A -
With black cap	1000	042602	N/A -	042688	N/A -	042617	N/A -	042701	N/A -	042632	N/A -	042647	N/A -
With yellow cap	1000	042603	N/A -	042689	N/A -	042618	N/A -	042702	N/A -	042633	N/A -	042648	N/A -
With green cap	1000	042604	N/A -	042690	N/A -	042619	N/A -	042703	N/A -	042634	N/A -	042649	N/A -
With red cap	1000	042605	N/A -	042691	N/A -	042620	N/A -	042704	N/A -	042635	N/A -	042650	N/A -
With blue cap	1000	042606	N/A -	042692	N/A -	042621	N/A -	042705	N/A -	042636	N/A -	042651	N/A -
With white septum cap	1000	-	-	-	-	-	-	042706	N/A -	042638	N/A -	042653	N/A -
With black septum cap	1000	042609	N/A -	042694	N/A -	-	-	042707	N/A -	042639	N/A -	-	-
With yellow septum cap	1000	-	-	-	-	-	-	042708	N/A -	042640	N/A -	042655	N/A -
With green septum cap	1000	042611	N/A -	042696	N/A -	042626	N/A -	-	-	042641	N/A -	042656	N/A -
With red septum cap	1000	-	-	-	-	-	-	042710	N/A -	042642	N/A -	042657	N/A -
With blue septum cap	1000	042613	N/A -	042698	N/A -	042628	N/A -	042711	N/A -	042643	N/A -	-	-

Boxes

Polystyrene box for 50 vials	1	042663	N/A -	042663	N/A -	042663	N/A -	042663	N/A -	-	-	-	-
Polypropylene box for 96 vials	1	042662	N/A -	042662	N/A -	042662	N/A -	042662	N/A -	042665	N/A -	042666	N/A -

Freeze-drying cap

Freeze-drying cap	100	042667B	N/A -	042667B	N/A -	042667B	N/A -	042667B	N/A -	042667B	N/A -	042667B	N/A -
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4 ml bottle, diameter 14 mm



Cat.No.	Description	Units/box	Price/box
042668	4 ml bottle without box with aluminium cap	1000	N/A -
042671	PP box for 24 x 4 ml tubes (\varnothing 14 mm)	1	N/A -

5 ml bottle



Cat.No.	Description	Units/box	Price/box
042669	5 ml bottle without box with aluminium cap	1000	N/A -
042670	5 ml bottle without box with white cap	1000	N/A -
042672	Polypropylene box for 24 x 5 ml tubes	1	N/A -

Black phenolic screw caps with PTFE-faced rubber seal

Black phenolic screw caps with PTFE- faced rubber seal. Autoclavable

Cat. No.	Safety	Units/box	Price/box
048431	8-425	200	N/A -
048432	13-425	200	N/A -
048938	15-415	200	N/A -
048433	15-425	200	N/A -
048435	18-400	200	N/A -
048434	18-415	200	N/A -
048436	20-400	100	N/A -
048437	24-400	100	N/A -
048936	28-400	100	N/A -
048937	33-400	100	N/A -
048931	33-430	100	N/A -
048939	38-430	100	N/A -



Black phenolic screw caps with white rubber seal 14B

- Ideal for cell culture
- Non-toxic

Cat. No.	Safety	Units/box	Price/box
048438	8-425	1000	N/A -
048439	13-425	200	N/A -
048440	15-425	200	N/A -
048441	18-400	500	N/A -
048442	20-400	500	N/A -
048443	24-400	500	N/A -



Black phenolic screw caps

- With Poly-Seal
- Made of polyethylene
- The cone shape of this seal ensures a better seal of the bottles

Cat. No.	Safety	Units/box	Price/box
048522	13-425	72	N/A -
048523	15-425	72	N/A -
048524	18-400	72	N/A -
048525	20-400	72	N/A -
048526	22-400	72	N/A -
048527	24-400	72	N/A -



Rubber caps

- For closing serum bottles without aluminium caps
- Made of red natural rubber
- Can be used for needle sampling

Cat. No.	Mouth* (mm)	Composition	Units/bag	Price/bag
048475	7 x 13	Red natural rubber	100	N/A -
048476	13 x 20	Red natural rubber	100	N/A -

* For inner \varnothing x outer \varnothing mouth.



Straight caps for freeze-drying vials



Cat. No.	Mouth* (mm)	Composition	Units/bag	Price/bag
048477	7 x 13	Chlorobutyl isoprene blend PT-faced/40	100	N/A -
048479	13 x 20	Chlorobutyl/45	100	N/A -
048480	13 x 20	Chlorobutyl isoprene blend PT-faced/40	100	N/A -

* For inner \varnothing x outer \varnothing mouth.

Snap-on caps



- For freeze-drying bottles
- Not recommended for bottles with straight internal necks
- The cap fits into the inner groove of the bottle neck ensuring a good seal

Cat. No.	Mouth* (mm)	Composition	Units/bag	Price/bag
048481	7 x 13	Red natural rubber	100	N/A -
048482	7 x 13	Chlorobutyl/45	100	N/A -
048483	13 x 20	Chlorobutyl/45	100	N/A -

* For inner \varnothing x outer \varnothing mouth.

Freeze-drying caps



Split cap for vacuum or inert gas storage. The stopper should be partially inserted into the bottle during freeze-drying, and fully inserted at the end of the process.

Cat. No.	Mouth* (mm)	Composition	Units/bag	Price/bag
048485	7 x 13	Chlorobutyl/50, 2-Leg	100	N/A -
048921	13 x 20	Chlorobutyl/50, 2-Leg	1000	N/A -
048487	13 x 20	Chlorobutyl/50, 3-Leg	100	N/A -
048660	20**	Grey Chlorobutyl/55, 3-Leg	300	N/A -

* For inner \varnothing x outer \varnothing mouth. ** stopper size

Premium quality bromobutyl stoppers



Igloo style

2-Leg style

- High chemical quality and high purity
- Autoclavable
- Stoppers with straight legs and freeze-drying stoppers, 2-leg, 3-leg and igloo style
- Complies with European, US and Japanese pharmacopoeia standards
- Straight plugs: hardness 47 Shore A, low extractability, stable after exposure to gamma rays
- Freeze-drying plugs: 46 Shore A hardness, low moisture absorption

Cat. No.	Inn. x out. \varnothing (mm)	Type	Material	Units/Tray	Units/box	Price/box
050310	7 x 13	Straight	Grey Bromobutyl/47	100	1000	N/A -
050312	7 x 13	Igloo	Grey Bromobutyl/46	100	1000	N/A -
050313	13 x 20	Straight	Grey Bromobutyl/47	100	1000	N/A -
050314	13 x 20	2-Leg	Grey Bromobutyl/46	100	1000	N/A -
050315	13 x 20	3-Leg	Grey Bromobutyl/46	100	1000	N/A -
050316	13 x 20	Igloo	Grey Bromobutyl/46	100	1000	N/A -

CAPS FOR SAMPLE BOTTLES

Aluminium seals

Centre-opening seals

		For outer \varnothing mouth 11 mm		For outer \varnothing mouth 13 mm		For outer \varnothing mouth 20 mm	
Colours	Units/ bag/	Cat. No.	Price/ bag	Cat. No.	Price/ bag	Cat. No.	Price/ bag
Natural	100	048871	N/A -	048488	N/A -	048489	N/A -
Blue	100	048872	N/A -	048875	N/A -	048838	N/A -
Red	100	048873	N/A -	048876	N/A -	048839	N/A -
Green	100	048874	N/A -	-	-	048840	N/A -



Seal with open top

		For outer \varnothing mouth 13 mm		For outer \varnothing mouth 20 mm		For outer \varnothing mouth 30 mm	
Colours	Units/ bag/	Cat. No.	Price/ bag	Cat. No.	Price/ bag	Cat. No.	Price/ bag
Natural	100	048490	N/A -	048491	N/A -	048881	N/A -
Blue	100	048878	N/A -	048842	N/A -	-	-
Red	100	048879	N/A -	048843	N/A -	-	-
Green	100	048880	N/A -	-	-	-	-



Seal with complete tear-off center disc

		For outer \varnothing mouth 13 mm			For outer \varnothing mouth 20 mm		
Colours	Cat. No.	Units/ bag/	Price/ bag	Cat. No.	Units/ bag/	Price/ bag	
Natural	048492	100	N/A -	048493	100	N/A -	
Blue	048882	100	N/A -	048845	1000	N/A -	
Red	048883	100	N/A -	048846	1000	N/A -	
Green	048884	100	N/A -	048847	1000	N/A -	



Seals for Serum Vials



Neck diameter (mm)	13	20
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Solid caps (A)

Cat. No.	045268	045269
Units/box	1000	1000
Price/box	N/A -	N/A -

Seals with center disc tear-out (B)

Cat. No.	045271	045272
Units/box	1000	1000
Price/box	N/A -	N/A -

Centre-opening seal (C)

Cat. No.	-	045273
Units/box	-	1000
Price/box	-	N/A -

Neck diameter (mm)	11	13	20
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Centre-opening seals with PTFE-faced rubber septum

Cat. No.	045274	-	045276
Units/box	1000	-	144
Price/box	N/A -	-	N/A -

Septum only, PTFE-faced rubber (D)

Cat. No.	-	-	045277
Units/box	-	-	100
Price/box	-	-	N/A -

Grey Butyl stoppers for vials (E)

Diameter (mm)	-	13	20
Cat. No.	-	045279	045280
Units/box	-	1000	1000
Price/box	-	N/A -	N/A -

Capping / uncapping pliers



For seals with a \varnothing of (mm)	8	11	13	20
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Capping clamps

Application: Robust clamp for closing vials and bottles with aluminium seals.

Cat. No.	045281	045282	045283	045284
Price	N/A -	N/A -	N/A -	N/A -

Decapping clamps with jaws

Application: Robust pliers for opening vials and bottles with aluminium seals.

Cat. No.	045285	045286	045287	045288
Price	N/A -	N/A -	N/A -	N/A -

Economy decapping clamps

Use: economical clamps for removing aluminium seals from vials.

Cat. No.	045289	045290	045291	045292
Price	N/A -	N/A -	N/A -	N/A -

Automatic vial crimpers/decappers with rechargeable battery



- To crimp or decapsulate aluminum and steel seals
- Up to 800 uses per load
- Full recharge in 2 hours

Cap \varnothing (mm)	Crimper		Bottle opener	
	Cat. No.	Price	Cat. No.	Price
8	054975B	N/A -	-	-
11	054976B	N/A -	054977B	N/A -
13	054978B	N/A -	054979B	N/A -
20	054980B	N/A -	054981B	N/A -
20 (Flip Cap)	054983B	N/A -	-	-

Accessory

Cat. No.	Description	Price
054960	Bracket for automatic crimper	N/A -

Mains powered automatic crimpers



- Uses interchangeable jaw sets
- For crimping and/or decapping aluminium and steel caps
- Storage of up to 9 programmes, for different types and sizes of caps

Cat. No.	Description	Price
054984B	Mains crimper with 20 mm crimping jaws	N/A -
054941B	Mains powered crimper, without jaws	N/A -

Accessories

Cap \varnothing (mm)	Crimp jaws		Decapping jaws	
	Cat. No.	Price	Cat. No.	Price
8	054987	N/A -	-	-
11	054988	N/A -	054989	N/A -
13	054942	N/A -	054990	N/A -
13 (Flip Cap)	054991	N/A -	-	-
20	054970	N/A -	054992	N/A -
20 (Flip Cap)	054993	N/A -	-	-

Cat. No.	Description	Price
054960	Bracket for automatic crimper	N/A -

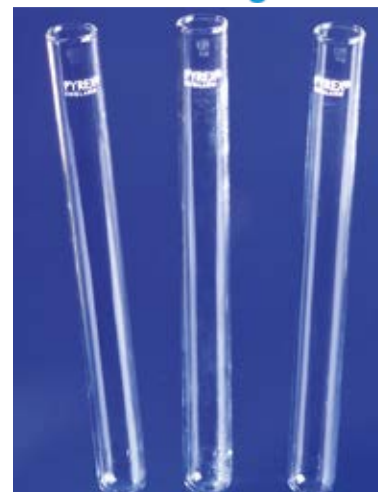
Borosilicate glass - Straight edges

Pyrex® Glass Test Tubes with straight rim



Cat. No.	Volume (ml)	ø x H (mm)	Thickness (mm)	Units/box	Price/box
761209	2	10 x 75	1	100	N/A -
761211	5	12 x 75	1	100	N/A -
761212	8	12 x 120	1	100	N/A -
761213	6	12 x 100	1	100	N/A -
761782	17	16 x 125	1.2	100	N/A -
761783	22	16 x 150	1.2	100	N/A -
761216	23	16 x 160	1.2	100	N/A -
761217	15	16 x 100	1.2	100	N/A -
761218	34	18 x 180	1.2	100	N/A -
761220	40	20 x 200	1.2	100	N/A -
761224	50	24 x 150	1.2	100	N/A -
761226	66	24 x 200	1.2	50	N/A -

- Made of Pyrex® borosilicate glass
- Straight edges
- Compliant with the standard NF B 35 017
- Autoclavable
- Reusable



Test Tubes, straight rim, marked "Boro 3.3"

- Borosilicate glass
- With straight edges



Cat. No.	Dimensions (mm)	Glass Thickness (mm)	Units/box	Price/box
068924	12 x 120	1 to 1.2	100	N/A -
068926	18 x 180	1 to 1.2	100	N/A -

Bellco Anaerobic Culture Tubes

- Gas-tight tube for maintenance in anaerobic conditions
- For tests of methane production by bacteria
- Blue rubber cap
- Made of borosilicate glass
- Tube dimensions: 18 x 150 mm



Cat.No.	Description	Units/box	Price/box
508232	Sealing tube with blue rubber stopper	100	N/A -
508223	Blue rubber septum stopper, 20 mm	100	N/A -
508231	Tubes to be sealed with aluminium caps	100	N/A -
508233	Aluminium cap, 20 mm	1000	N/A -
045284	Capping clamp 20 mm	1	N/A -

Kimble Gass Culture Tubes

Kimble Kimax-51 single-use borosilicate glass culture tubes.

- Excellent chemical resistance
- Complies with ASTM E438, type 1 class B
- Uniform round bottom



Cat. No.	Volume (ml)	ø x H (mm)	Units/Tray	Units/box	Price/box
057034	0.7	6 x 50	500	1000	N/A -
057035	4	10 x 75	250	1000	N/A -
057036	6	12 x 75	250	1000	N/A -
057037	10	13 x 100	250	1000	N/A -
057038	15	16 x 100	250	1000	N/A -
057039	20	16 x 125	250	1000	N/A -
057040	24	16 x 150	250	1000	N/A -
057041	30	18 x 150	125	500	N/A -
057042	35	20 x 150	250	500	N/A -
057137	40	25 x 150	125	500	N/A -

Graduated Glass Test Tubes

- With spout without cap or with standardised female ground joint and polypropylene cap
- DURAN® Glass
- Inscriptions and graduations in high contrast white enamel
- Wall thickness of approx. 1.2 mm

Cat. No.	Features	Capacity (ml)	Division (ml)	Socket	ø x H (mm)	Price 10 units
092313	With PP cap with standardised ground joint	10	0.1	12/21	15 x 165	N/A -
092314	With PP cap with standardised ground joint	20	0.2	14/23	17 x 200	N/A -
092315	With PP cap with standardised ground joint	25	0.2	14/23	17 x 220	N/A -
092316	With PP cap with standardised ground joint	30	0.5	14/23	19 x 220	N/A -



Borosilicate glass - Screw edges

Pyrex® Corning® Single-use Glass Tubes



Borosilicate glass tube with high neutrality. Ideal for cell culture and microbiology.

- Screw-in or stand-up neck
- Wall: 0.8 mm

Tubes

Cat. No.	ø x H (mm)	Pack unit.	Units/box	Price/box
Round-bottom tubes, straight neck				
001011	10 x 75	125	1000	N/A -
001012	12 x 75	125	1000	N/A -
001013	13 x 100	125	1000	N/A -
001014	15 x 85	125	1000	N/A -
001015	16 x 100	125	1000	N/A -
001016	16 x 125	125	1000	N/A -
001017	16 x 150	125	1000	N/A -
001018	18 x 150	125	500	N/A -
001019	20 x 150	250	500	N/A -

Round-bottom tubes, screw neck

001020	13 x 100	250	1000	N/A -
001021	16 x 100	250	1000	N/A -
001022	16 x 125	250	1000	N/A -
001023	16 x 150	250	1000	N/A -
001024	20 x 125	250	500	N/A -
001025	20 x 150	250	500	N/A -

Flat-bottomed tubes, screw neck

001026	16 x 125	250	1000	N/A -
001027	19.5 x 145	250	500	N/A -

Autoclavable screw caps with rubber seal

Cat.No.	Description	Units/box	Price/box
001028	For 13 mm ø	1000	N/A -
001029	For 16 mm ø	1000	N/A -
001030	For 20 mm ø	1000	N/A -

Autoclavable screw caps with PTFE seal

Cat.No.	Description	Units/box	Price/box
001031	For 13 mm ø	288	N/A -
001032	For 16 mm ø	288	N/A -
001033	For 20 mm ø	192	N/A -



Pyrex® Glass Test Tubes, PBT capped



- Made of Pyrex® glass, for culture work
- Supplied with phenolic screw cap with PTFE/ethylene propylene composite seal
- Tubes sterilisable at 121 °C for 2 hours, PBT screw caps autoclavable and dry steam sterilisable up to 180 °C

Cat. No.	Volume (ml)	ø x H (mm)	SVL fitting	Units/box	Price/box
090477	8	14 x 100	13	40	N/A -
090478	10	16 x 100	15	40	N/A -
090479	15	16 x 125	15	40	N/A -
090480	20	16 x 160	15	40	N/A -
090481	15	18 x 100	15	40	N/A -
090482	25	18 x 180	18	40	N/A -
090483	20	20 x 100	20	40	N/A -
090484	40	20 x 200	20	40	N/A -
090485	50	22 x 200	22	40	N/A -
090486	30	26 x 100	25	40	N/A -
090487	70	26 x 200	25	40	N/A -

Caps and Seals for tubes and bottles

Caps (supplied with seal)					Spare seals		
Cat. No.	SVL fitting	Outer ø x H (mm)	Units/box	Price/box	Cat. No.	Units/box	Price/box
001485B	13	17 x 16	20	N/A -	001494B	20	N/A -
001486B	15	20 x 18	20	N/A -	001495B	20	N/A -
001487B	18	23 x 18	20	N/A -	001496B	20	N/A -
001488B	20	25 x 18	20	N/A -	001497B	20	N/A -
001489B	22	27 x 18	20	N/A -	001498B	20	N/A -
001490B	25	31 x 26	20	N/A -	001499B	20	N/A -
001491B	30	36 x 26	20	N/A -	001500C	20	N/A -
001492B	42	52 x 30	10	N/A -	001501B	10	N/A -

Borosilicate glass culture tubes

- Borosilicate glass
- Uniform wall for maximum heat transfer and chemical resistance
- Autoclavable, reusable
- Remarkable stability of the samples
- Supplied with screw caps (not assembled) with rubber seal

Cat. No.	Volume (ml)	ø x H (mm)	Units/bag	Price/bag
045206	8	13 x 100	72	N/A -
045207	12	16 x 100	72	N/A -
045208	16	16 x 125	72	N/A -
045209	20	16 x 150	72	N/A -
045210	25	20 x 125	48	N/A -
045211	30	20 x 150	48	N/A -
045212	50	25 x 150	36	N/A -
045213	70	25 x 200	36	N/A -
045214	160	38 x 200	24	N/A -



Wheaton® Culture tubes (C-tubes)



- Culture tubes with screw cap
- Borosilicate glass, Type I Class B and USP Type I
- Autoclavable, reusable
- White styrene butadiene sealing cap
- For shaking cell cultures

Cat. No.	Capacity	ø x H (mm)	Safety	Units/box	Price/box
048534	11	16 x 100	15-415	144	N/A -
048535	14	16 x 125	15-415	144	N/A -
048537	27	20 x 150	18-415	144	N/A -
with cap with PTFE-faced styrene-butadiene rubber seal					
048539	11	16 x 100	15-415	144	N/A -
048540	14	16 x 125	15-415	144	N/A -
048542	27	20 x 150	18-415	144	N/A -



Hungate anaerobic culture tubes

Gas-tight tubes for anaerobic culture.

Hungate's method calls for inoculation of the bacteria by syringe through the septum of the tube. ø x H of the tube: 16 x 125 mm

The Hungate tube includes:

- the tube itself;
- a screw cap with a 9 mm opening;
- a septum for the Hungate tube.

Cat.No.	Description	Units/box	Price/box
507026	Hungate tube with cap	250	N/A -
508086	Cap 15-415	144	N/A -
508114	Septum stopper, 9 mm	250	N/A -
204701	Septum for hungate tube	250	N/A -
508115	Hungate tube only	250	N/A -



Borosilicate Glass Culture Tubes



- > Screw neck
- > In KIMAX-51
- > Type 1 glass, class A or B
- > Marking area
- > Packed per tray in plastic film
- > Supplied without cap, to be ordered separately (see below)

Cat. No.	ø x L (mm)	Volume (ml)	Screw	Units/box	Price/box
065307B	13 x 100	8	13-415	1000	N/A -
045350B	16 x 100	12	15-415	1000	N/A -
065308B	16 x 125	16	15-415	1000	N/A -
065309B	16 x 150	20	15-415	1000	N/A -
045355B	20 x 125	25	18-415	500	N/A -
065310B	20 x 150	30	18-415	500	N/A -

Glass Culture Tubes, round bottom



- > Single use
- > Screw
- > Packed per tray in plastic film
- > Without marking area
- > Supplied without cap, to be ordered separately (see below)

Cat. No.	ø x L (mm)	Volume (ml)	Screw	Units/box	Price/box
065312B	13 x 100	8	13-415	1000	N/A -
065313B	16 x 100	15	15-415	1000	N/A -
065314B	16 x 125	16	15-415	1000	N/A -
065315B	16 x 150	20	15-415	1000	N/A -
065316B	20 x 125	25	18-415	500	N/A -
065317B	20 x 150	30	18-415	500	N/A -

White polypropylene caps



- > Without seal
- > Autoclavable
- > For screw neck culture tubes (see above)

Cat.No.	Description	Units/box	Price/box
065323	White PP cap 15-415	1000	N/A -

Phenolic caps



- > Rubber seal
- > Autoclavable
- > For screw neck culture tubes (see above)

Cat.No.	Description	Units/box	Price/box
065318	Phenolic cap 15-415	1000	N/A -
065319	Phenolic cap 18-415	1000	N/A -

Natural polypropylene caps



- > Without seal
- > Autoclavable

Cat.No.	Description	Units/box	Price/box
065324	Natural PP cap 13-415	1000	N/A -
065325	Natural PP cap 15-415	1000	N/A -
065326	Natural PP cap 18-415	500	N/A -

Phenolic caps with rubber seal, PTFE coated



- > Autoclavable
- > For flat or round bottomed culture tubes

Cat.No.	Description	Units/box	Units/box	Price/box
045238	Phenolic cap 8-425	-	144	N/A -
065320	Phenolic cap 13-415	125	500	N/A -
045239	Phenolic cap 13-425	-	144	N/A -
065321	Phenolic cap 15-415	125	500	N/A -
045240	Phenolic cap 15-425	-	144	N/A -
045241	Phenolic cap 18-400	-	144	N/A -
045242	Phenolic cap 20-400	-	144	N/A -
065322	Phenolic cap 22-400	-	144	N/A -
045243	Phenolic cap 24-400	-	144	N/A -

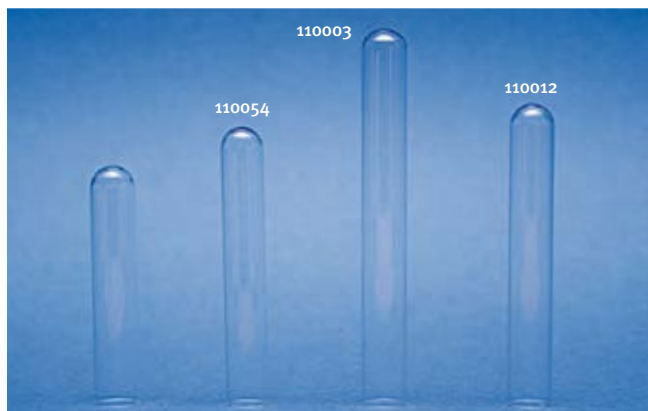
Soda-lime glass - Straight edges

Single-use soda-lime glass haemolysis tubes

Cat. No.	Ø x H (mm)	Thickness (mm)	Units/box	Price/box
110004SM	11.6 x 75	0.5	550	N/A -
110004	11.75 x 75	0.5	576	N/A -
110001	12.25 x 75	0.5	500	N/A -
110003	12.25 x 100	0.5	527	N/A -
110011	12.25 x 75	0.8	500	N/A -
110012	12.25 x 80	0.8	527	N/A -

Winged plug

Cat. No.	Description	Units/box	Price/box
080152	Winged plug 11 mm Ø for 12 mm Ø tubes	2500	N/A -



Durham tubes or bell jars



- Soda-lime glass
- For gas recovery in bacteriology

Cat. No.	Ø x H (mm)	Thickness (mm)	Units/box	Price/box
068554B	7.25 x 50	0.4 - 0.6	1000	N/A -
110125	7.25 x 50	0.5	1000	N/A -

Single-use glass test tubes

- Soda-lime glass

Cat. No.	Ø x H (mm)	Thickness (mm)	Units/box	Units/box	Price/box
110120	16 x 160	0.5	500	500	N/A -
110040	16 x 160	0.8	500	500	N/A -
110032	18 x 180	0.5	250	250	N/A -
110041	18 x 180	0.8	200	200	N/A -
110033	20 x 200	0.5	250	250	N/A -
110119	15.30 x 150	0.8	500	500	N/A -
110031	15.30 x 160	0.5	500	500	N/A -

Soda-lime Glass Tubes with round bottom



Cat. No.	Ø x H (mm)	Thickness (mm)	Neck	Units/box	Price/box
065423	7 x 25	0.6 - 0.7	Straight	1000	N/A -
065424	6.5 x 35	0.6 - 0.7	Straight	1000	N/A -
065425	8 x 35	0.6 - 0.7	Straight	1000	N/A -
065426	8 x 40	0.6 - 0.7	Straight	200	N/A -
065427	9.5 x 40	0.6 - 0.7	Straight	500	N/A -
065428	10.5 x 40	0.8 - 0.9	Straight	500	N/A -
065429	6.5 x 50	0.6 - 0.7	Straight	1000	N/A -
065430	9.5 x 50	0.7 - 0.8	Straight	200	N/A -
065431	11 x 55	0.7 - 0.8	Straight	500	N/A -
065432	11 x 70	0.7 - 0.8	Straight	800	N/A -
065433	10 x 75	0.5 - 0.6	Straight	1000	N/A -
065434	11.5 x 75	0.7 - 0.8	Straight	1000	N/A -
065435	12 x 75	0.5 - 0.6	Straight	1000	N/A -
065436	12 x 100	0.5 - 0.6	Straight	1000	N/A -
065437	13 x 100	0.5 - 0.6	Straight	1000	N/A -
065438	16 x 100	0.6 - 0.7	Straight	1000	N/A -
065439	12 x 120	0.6 - 0.7	Straight	500	N/A -
065440	16 x 125	0.6 - 0.7	Straight	1000	N/A -
065441	18 x 150	0.8 - 0.9	Straight	500	N/A -
065442	16 x 160	0.6 - 0.7	Straight	1000	N/A -
065443	18 x 180	0.7 - 0.8	Straight	100	N/A -
065444	16 x 120	0.5 - 0.6	With rim	100	N/A -
065445	16 x 160	0.5 - 0.6	With rim	100	N/A -
065446	18 x 180	0.6 - 0.7	With rim	100	N/A -
065447	20 x 180	0.7 - 0.8	With rim	100	N/A -

Soda-lime glass - Screw edges

Screw Neck Culture Tubes



- Soda-lime glass 3rd hydrolytic class
- Round or flat bottom
- To be capped with the golden aluminium cap or with a plastic cap
- Autoclavable grey rubber seal

Aluminium caps for culture tubes with screw

(For tubes with Cat. No. 110101, 110115 and 110102)

Cat.No.	Description	Units/ box	Price/ box
110102CA	Aluminium cap for tubes ø 16 and 17.75 mm	500	N/A -

Culture tubes with neck

Cat. No.	ø x thick. x H (mm)	Bottom	Units/ box	Price/ box
110101	16.1 x 0.95 x 160	Rounded	299	N/A -
110115	17.75 x 1.05 x 145	Flat	252	N/A -
110102	17.75 x 1.05 x 180	Flat	252	N/A -

Accessory

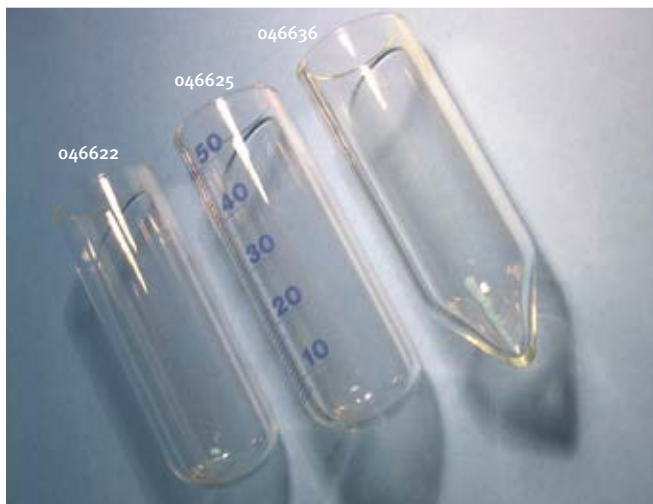
Test Tube Scraper



Cat. No.	Description	Units/ box	Price/ box
091824	Scraper for test tubes	10	N/A -

Centrifuge Tubes - borosilicate glass

Glass centrifuge tubes with round or conical bottoms



- Borosilicate glass
- Graduated or non graduated
- For centrifugation up to 5500 g
- With smooth neck or with polypropylene screw cap with silicone-PTFE seal
- Round or conical bottom (conical bottoms require the use of a centrifuge adapter)

Ø x H (mm)	Bottom	Smooth neck tubes								Tubes with screw cap									
		Without graduation				With graduations				Without graduation				With graduations					
		Cat. No.	Total Vol. (ml).	Working vol. (ml)	Price	Cat. No.	Total Vol. (ml).	Working vol. (ml)	Grad. (ml)	Price	Cat. No.	Total Vol. (ml).	Working vol. (ml)	Price	Cat. No.	Total Vol. (ml).	Working vol. (ml)	Grad. (ml)	Price
12 x 98	Rounded	046619	6	5	N/A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16 x 98	Rounded	046620	15	10	N/A -	046623	12	10	10	N/A -	046628	10	8	N/A -	046632	11	9	9	N/A -
24 x 98	Rounded	046621	30	25	N/A -	046624	26	21	25	N/A -	046629	25	20	N/A -	046633	25	20	20	N/A -
34 x 98	Rounded	046622	60	50	N/A -	046625	62	50	50	N/A -	046630	50	45	N/A -	046634	55	50	38	N/A -
44 x 98	Rounded	-	-	-	-	046626	100	85	80	N/A -	046631	100	85	N/A -	046635	100	85	65	N/A -
16 x 98	Conical	046636	11	8	N/A -	046641	12	8	10	N/A -	046645	12	8	N/A -	046649	10	8	8.7	N/A -
24 x 98	Conical	046637	25	20	N/A -	046642	25	20	20	N/A -	046646	24	19	N/A -	046650	25	20	20	N/A -
34 x 98	Conical	046638	50	45	N/A -	046643	55	45	45	N/A -	046647	45	40	N/A -	046651	48	43	34	N/A -
44 x 98	Conical	046639	95	80	N/A -	046644	86	75	84	N/A -	046648	90	80	N/A -	046652	90	85	60	N/A -

Glass Centrifuge Tubes, graduated

- Cylindro-conical
- In AR-GLAS or DURAN® glass
- Capacity: approx. 15 ml
- Inscriptions and graduations in high contrast white enamel



Cat. No.	Grad. (ml)	Glass	ø x H (mm)	Subdivisions (ml)	Thickness (mm)	ACR max.	Price 10 units
092305	0 - 10	AR-GLAS	17 x 113	0.1	1	3500	N/A -

Centrifuge tubes, thick wall, screw cap

- Round bottom
- With screw cap with PTFE rubber seal
- Borosilicate glass
- Thick wall for resistance to higher speeds
- Autoclavable tubes and screw caps

Cat. No.	Volume (ml)	ø x H (mm)	Units/box	Price/box
045608	35	29 x 100	12	N/A -
045609	50	29 x 123	12	N/A -

Replacement cap

Cat.No.	Description	Units/box	Price/box
045610	Replacement caps	150	N/A -



High-Speed Glass Tubes, super-resistant

- Reusable
- Made of special borosilicate glass type I, class B
- Chemically reinforced for improved mechanical strength
- Can be centrifuged up to 13100 RCF in a 50 ml tube cavity with the adapter
- Can withstand temperatures up to 300 °C
- With straight neck without cap, or with screw cap with PTFE filmed rubber seal

Volume (ml)	15	30
ø x H (mm)	18 x 102	24 x 106

Tubes with straight neck

Cat. No.	045600	045601
Price/ 6 units	N/A -	N/A -

Screw-cap tubes

Cat. No.	045602	045603
Price/ 6 units	N/A -	N/A -

Rubber adapters for 50 ml rotor

Cat. No.	045604	045605
Price/ 2 units	N/A -	N/A -

Replacement caps for screw-in tubes

Cat. No.	-	045243
Price/ 144 units	-	N/A -



Tubes for Hybridization

Borosilicate glass tubes for Northern, Southern or Western blots hybridization. With watertight polypropylene screw caps with silicone O-Ring diameter 45 mm.

Cat. No.	ø x W (mm)	Units/box	Price/box
045215	35 x 150	2	N/A -
045216	35 x 300	2	N/A -
001134	40 x 170	1	N/A -
001135	40 x 260	1	N/A -
001136	75 x 260	1	N/A -



BEAKERS

The classics - Low form

SLS Select borosilicate glass Beakers



- Made of high quality borosilicate glass
- With white scales and marking area
- Excellent chemical and thermal resistance

Cat. No.	Volume (ml)	Ø x h (mm)	Units/box	Price/box
257055	25	34 x 50	12	N/A -
257056	50	42 x 60	12	N/A -
257057	100	50 x 70	12	N/A -
257058	150	60 x 80	12	N/A -
257059	250	70 x 95	12	N/A -
257060	400	80 x 110	12	N/A -
257061	600	90 x 125	6	N/A -
257062	1000	105 x 145	6	N/A -
257145	5000	170 x 270	2	N/A -
257146	10000	217 x 350	1	N/A -
257147	20000	285 x 430	1	N/A -



DURAN® Beakers Squat Form



- In borosilicate glass with graduations
- Autoclavable
- Resistant to thermal shock due to uniform wall thickness
- Squat form with spout
- Traceability code

Squat form beakers with spout

Cat. No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
211060804	10	26 x 35	10	N/A -
211061406	25	34 x 50	10	N/A -
211061706	50	42 x 60	10	N/A -
211062402	100	50 x 70	10	N/A -
211062908	150	60 x 80	10	N/A -
211063604	250	70 x 95	10	N/A -
211064103	400	80 x 110	10	N/A -
211064806	600	90 x 125	10	N/A -
092085	800	100 x 135	10	N/A -
211065408	1000	105 x 145	10	N/A -
211066301	2000	132 x 185	10	N/A -
211066807	3000	152 x 210	4	N/A -



Pyrex® Beakers in Borosilicate Glass, Squat Form

These beakers have a squat form to ensure excellent stability. They are equipped with a pouring spout to facilitate decanting.

Cat. No.	Volume (ml)	Out. Ø (mm)	Height (mm)	Units/box	Price/box
001875	5	22	30	10	N/A -
090030	10	26	35	1	N/A -
090031	25	34	50	1	N/A -
090032	50	42	60	1	N/A -
090033	100	50	70	1	N/A -
090130	150	60	80	1	N/A -
090034	250	70	95	1	N/A -
090035	400	80	110	1	N/A -
090036	600	90	125	1	N/A -
090037	800	100	135	1	N/A -
090038	1000	105	145	1	N/A -
090039	2000	130	185	1	N/A -
090140	3000	150	210	1	N/A -
001539	5000	170	270	1	N/A -



The classics - Low form

Borosilicate Glass Beakers

Beakers made of high quality borosilicate glass 3.3.

► Graduations and spout ► Standard ISO 3810, DIN 1237

Low form				
Vol. (ml)	Cat. No.	Ø x H (mm)	Units/box	Price/box
5	068932B	22 x 30	10	N/A -
10	068933B	26 x 35	10	N/A -
25	068934B	34 x 50	10	N/A -
50	068935B	42 x 60	10	N/A -
100	068936B	50 x 70	10	N/A -
150	068937C	60 x 80	10	N/A -
250	068938B	70 x 95	10	N/A -
400	068939B	80 x 110	10	N/A -
600	068940C	90 x 125	10	N/A -
800	068941B	100 x 135	10	N/A -
1000	068942B	105 x 145	10	N/A -
2000	068943C	130 x 185	10	N/A -
3000	068944B	150 x 210	1	N/A -
5000	068945C	170 x 270	1	N/A -



The classics - High form

Borosilicate Glass Beakers

Beakers made of high quality borosilicate glass 3.3.

► Graduations and spout ► Standard ISO 3810, DIN 1237

High form				
Vol. (ml)	Cat. No.	Ø x H (mm)	Units/box	Price/box
25	068946B	30 x 55	10	N/A -
50	068947B	38 x 70	10	N/A -
100	068948B	48 x 80	10	N/A -
150	068949B	54 x 95	10	N/A -
250	068950B	60 x 120	10	N/A -
400	068951B	70 x 130	10	N/A -
600	068952B	80 x 150	10	N/A -
800	068953B	90 x 175	10	N/A -
1000	068954B	95 x 180	10	N/A -
2000	068955C	120 x 240	10	N/A -
3000	068956B	135 x 280	1	N/A -



DURAN® Tall form beakers

- In borosilicate glass with graduations
- Autoclavable
- Resistant to thermal shock due to uniform wall thickness
- High form with or without spout
- Traceability code

High form beakers without spout

Cat. No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
092108	150	54 x 95	10	N/A -
092087	600	80 x 150	10	N/A -
092088	1000	95 x 180	10	N/A -

High form beakers with spout

Cat. No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
211161704	50	38 x 70	10	N/A -
211162409	100	48 x 80	10	N/A -
092086	150	54 x 95	10	N/A -
211163602	250	60 x 120	10	N/A -
673435	400	70 x 130	10	N/A -
673436	1000	95 x 180	10	N/A -



Pyrex® Beakers in Borosilicate Glass, High Form

With traceability code.

Cat. No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
001110	50	38 x 70	10	N/A -
001111	100	48 x 80	10	N/A -
001112	150	54 x 95	10	N/A -
001113	250	60 x 120	10	N/A -
001114	400	70 x 130	10	N/A -
001115	600	80 x 150	10	N/A -
001116	1000	95 x 180	10	N/A -
001117	2000	120 x 240	10	N/A -



The variants - Low form

DURAN® Thick-walled beakers made of borosilicate glass



- ▶ Highly impact resistant
- ▶ Graduated

DURAN® Super Duty Beakers



- ▶ Made of DURAN® type 1 borosilicate glass
- ▶ Thick-walled
- ▶ Reinforced rim and spout
- ▶ White graduations and marking area
- ▶ Traceability code printed on the beaker for printing batch certificates

Cat.No.	Volume	Dim. Ø x H (mm)	Units/box	Price/box
092109	100 ml	52 x 85	10	N/A -
091201	150 ml	54 x 93	10	N/A -
092190	250 ml	70 x 94	10	N/A -
091200	500 ml	89 x 124	10	N/A -
092089	1 l	105 x 160	10	N/A -
092191	2 l	135 x 195	10	N/A -
092090	3 l	157 x 205	4	N/A -
092192	5 l	182 x 256	1	N/A -
092193*	10 l	225 x 340	1	N/A -
092194*	15 l	260 x 390	1	N/A -
092195*	20 l	285 x 430	1	N/A -

* Non graduated

Low form beakers

Cat.No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
091963	150	60 x 80	10	N/A -
091964	250	70 x 95	10	N/A -
091965	400	80 x 110	10	N/A -
091966	600	90 x 125	10	N/A -
091967	1000	105 x 145	10	N/A -
091968	2000	132 x 185	10	N/A -
091969	5000	170 x 270	1	N/A -

Pyrex® Graduated Beakers, Low Form, intensive use



- ▶ Even wall thickness and reinforced flared edges increase impact resistance
- ▶ The flat base allows for optimal magnetic agitation
- ▶ Double graduation and a large marking surface make it easy to read volumes and identify products
- ▶ Traceability code

Cat.No.	Volume (ml)	Out. ø (mm)	Height (mm)	Units/box	Price/box
211643	150	57	89	12	N/A -
211647	250	68	90	12	N/A -
211652	400	77	110	12	N/A -
211654	600	90	124	6	N/A -
211660	1000	109	156	6	N/A -
211665	2000	131	177	4	N/A -
002040	3000	170	230	1	N/A -
211672	4000	160	250	1	N/A -
002041	5000	180	300	1	N/A -

Variants - High form

DURAN® Super Duty Beakers



- ▶ Made of DURAN® type 1 borosilicate glass
- ▶ Thick-walled
- ▶ Reinforced rim and spout
- ▶ White graduations and marking area
- ▶ Traceability code printed on the beaker for printing batch certificates

Heavy-duty Borosilicate Glass Beakers



- ▶ Borosilicate glass
- ▶ Thick-walled
- ▶ Reinforced rim and spout
- ▶ White graduations and marking area
- ▶ Traceability code printed on the beaker for printing batch certificates

High form beakers

Cat.No.	Volume (ml)	Ø x H (mm)	Units/box	Price/box
084471	150	54 x 95	10	N/A -
084472	250	60 x 120	10	N/A -
084473	600	80 x 150	10	N/A -

Cat. No.	Capacity (ml)	Outer Ø (mm)	Height (mm)	Units/box	Price/box
761784	150	54	95	10	N/A -
761785	250	60	120	10	N/A -
761786	600	80	150	10	N/A -

MEASURING CYLINDERS

Without cap

Class A - High Form

Measuring Cylinders class A, blue graduation

- Borosilicate glass
- Hexagonal base
- Complies with the DIN EN ISO 4788 standard
- With identification marking

Vol. (ml)	Units/box	Cat. No.	Price/box
5	2	360011	N/A -
10	2	360012	N/A -
25	2	360013	N/A -
50	2	360014	N/A -
100	2	360015	N/A -
250	2	360016	N/A -
500	1	360017	N/A -
1000	1	360018	N/A -
2000	1	360019	N/A -



Pyrex® UKAS Glass Measuring Cylinders, class A

- Made of Pyrex® borosilicate glass for optimum chemical resistance
- Complies with ISO 4788 standards
- Calibrated to USP tolerances
- Individual laser-engraved serial number on each test tube
- White enamel graduations
- Delivered with UKAS certificate



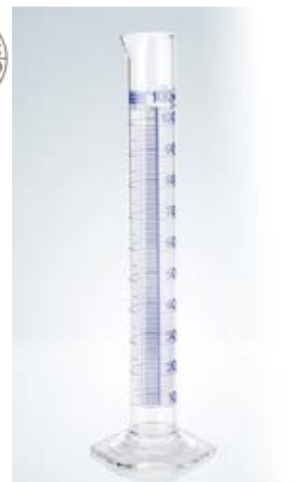
Cat. No.	Capacity (ml)	Gradations (ml)	Tolerance +/- (ml)	Approx. H (mm)	Price
233163	5	0.1	0.05	115	N/A -
233164	10	0.2	0.1	140	N/A -
233165	25	0.5	0.25	170	N/A -
233166	50	1	0.5	200	N/A -
233167	100	1	0.5	260	N/A -
233168	250	2	1	335	N/A -
233169	500	5	2.5	365	N/A -
233170	1000	10	5	465	N/A -
233171	2000	20	10	505	N/A -

Hirschmann Measuring Cylinders class A

- Complies with the DIN EN ISO 4788 standard
- Certificate of conformity with dated batch number
- Blue graduations, Circular main sub-divisions
- Tinted glass strip



Volume (ml)	Subdivision (ml)	Tolerance (+/- ml)	Height (mm)	Units/box	Blue graduation + Schellbach strip		Blue graduation only		With plastic base, blue graduation	
					Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
5	0.1	0.1	115	2	501133	N/A -	501151	N/A -	-	-
10	0.2	0.1	140	2	501134	N/A -	090547	N/A -	501155	N/A -
25	0.5	0.3	170	2	501135	N/A -	090548	N/A -	501156	N/A -
50	1.0	0.5	200	2	501136	N/A -	090549	N/A -	501157	N/A -
100	1	0.5	260	2	501137	N/A -	501152	N/A -	501158	N/A -
250	2	1	335	2	501138	N/A -	090542	N/A -	501159	N/A -
500	5	2.5	390	2	501139	N/A -	501153	N/A -	501160	N/A -
1000	10	5	470	1	501140	N/A -	090550	N/A -	501161	N/A -
2000	20	10	570	1	501141	N/A -	501154	N/A -	-	-



GLASSWARE

Class B - Low Form

Super Duty Measuring Cylinders



- Low form
- Class B
- Graduated
- Better resistance thanks to the reinforced rim
- Long service life

Cat. No.	Capacity (ml)	Ø (mm)	Height (mm)	Units/box	Price/box
096027	100	39	168	2	N/A -
096028	250	54	205	2	N/A -
096029	500	66	253	2	N/A -
096030	1000	85	290	2	N/A -



Hirschmann low form measuring cylinders



- > DURAN® glass, class B
- > DIN ISO 4788
- > Brown graduations
- > Line subdivisions

Cat.No.	Capacity (ml)	Units/box	Price/box
501082	10	2	N/A -
501083	25	2	N/A -
501084	50	2	N/A -
501085	100	2	N/A -
501086	250	2	N/A -
501087	500	2	N/A -
501088	100	1	N/A -
501089	2000	1	N/A -

Pyrex® heavy-duty measuring cylinders with spout



- > Made of Pyrex®, borosilicate glass, class B
- > Heavy and perfectly flat hexagonal base: excellent stability
- > Non-drip spout
- > Indelible blue enamelled graduations



Volume (ml)	Units/box	Height (mm)	Cat. No.	Price/box
10	2	75	703720	N/A -
25	2	107	703728	N/A -
50	2	140	703733	N/A -
100	2	147	703740	N/A -
250	2	212	703747	N/A -
500	2	236	703754	N/A -
1000	2	293	703760	N/A -

Borosilicate glass Measuring Cylinders



- > Class A
- > Blue graduation
- > With batch certification

Volume (ml)	10	25	50	100	250	500	1000	2000
Cat. No.	068907	068908	068909	068910	068911	068912	068913	068914
Units/box	1	1	1	1	1	1	1	1
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

Class B - High Form

Class B SLS Select test tubes



- > Made of high quality borosilicate glass
- > Class B
- > With white scales
- > Excellent chemical and thermal resistance
- > Robust hexagonal base



Cat. No.	Volume (ml)	Height (mm)	Units/box	Price/box
257073	10	135	2	N/A -
257074	25	160	2	N/A -
257075	50	195	2	N/A -
257076	100	250	2	N/A -
257077	250	300	2	N/A -
257078	500	350	2	N/A -
257079	1000	430	1	N/A -

Graduated borosilicate glass measuring cylinders, class B



- > Borosilicate glass
- > Complies with ISO 4788
- > Blue enamel graduations
- > Robust hexagonal base



Cat. No.	Volume (ml)	Units/box	Price/box
090488	10	2	N/A -
090489	25	2	N/A -
090182	50	2	N/A -
090183	100	2	N/A -
090184	250	2	N/A -
090185	500	2	N/A -
090186	1000	1	N/A -
090187	2000	1	N/A -

Hirschmann Measuring Cylinders class B with blue graduations



- > Complies with the DIN EN ISO 4788 standard
- > Subdivision marks
- > Blue graduations
- > Borosilicate glass

Cat. No.	Vol. (ml)	Subdi. (ml)	Tolerance (+/- ml)	H. (mm)	Units/box	Price/box
501142	5	0.1	0.075	115	2	N/A -
501143	10	0.2	0.15	140	2	N/A -
501144	25	0.5	0.375	170	2	N/A -
501145	50	1	0.75	200	2	N/A -
501146	100	1	0.75	260	2	N/A -
501147	250	2	1.5	335	2	N/A -
501148	500	5	3.75	390	2	N/A -
501149	1000	10	7.5	470	1	N/A -
501150	2000	20	15	570	1	N/A -

Measuring cylinders class B with white graduations

- Complies with the DIN EN ISO 4788 standard
- Hexagonal base
- Borosilicate glass

Cat. No.	Volume (ml)	Ø (mm)	Height (mm)	Price/box
140708	5	12.9	115	N/A -
140709	10	15.5	135	N/A -
140711	15	12	170	N/A -
140712	25	21.3	160	N/A -
140713	30	20	210	N/A -
140714	50	26	195	N/A -
140716	60	25	210	N/A -
140717	100	31.3	240	N/A -
140718	125	30	265	N/A -
140719	250	41	320	N/A -
140721	500	53.2	380	N/A -
140722	1000	67	465	N/A -
140723	2000	83.5	565	N/A -



Pyrex® heavy-duty measuring cylinders with spout

- Pyrex® Borosilicate glass class B
- Heavy and perfectly flat hexagonal base: excellent stability
- Non-drip spout
- Indelible blue enamelled graduations



Volume (ml)	Units/box	Height (mm)	Cat. No.	Price/box
10	2	-	-	-
25	2	-	-	-
50	2	200	703933	N/A -
100	2	260	703940	N/A -
250	2	335	703947	N/A -
500	2	390	703954	N/A -
1000	2	470	703960	N/A -
2000	1	570	703965	N/A -



With cap

Class A - High Form

Measuring cylinders class A, blue graduation

- Borosilicate glass
- Hexagonal base
- Complies with the DIN EN ISO 4788 standard
- With identification marking

Vol. (ml)	Units/box	Cat. No.	Grad. (ml)	Divisions (ml)	H. (mm)	Price/box
5	2	-	-	-	-	-
10	2	501114	0.2	0.1	160	N/A -
25	2	501115	0.5	0.25	193	N/A -
50	2	501116	1	0.5	226	N/A -
100	2	501117	1	0.5	290	N/A -
250	2	501118	2	1	367	N/A -
500	2	501119	5	2.5	425	N/A -
1000	1	501120	10	5	510	N/A -
2000	1	501121	20	10	610	N/A -



Measuring cylinders with DIN standard neck

- Borosilicate glass with DIN standard neck
- Complies with ISO 4788
- White enamel graduations for class A specimens, blue for class B specimens
- Supplied with polyethylene DIN cap
- Class A certified version individually tested at 5 points and calibrated to Class A tolerances
- Robust hexagonal base



Vol. (ml)	Socket DIN	Units/box	Class A		Class A certified	
			Cat. No.	Price/box	Cat. No.	Price/box
10	10/19	2	251583	N/A -	251591	N/A -
25	14/23	2	251584	N/A -	251592	N/A -
50	19/26	2	251585	N/A -	251593	N/A -
100	24/29	2	251586	N/A -	251594	N/A -
250	29/32	2	251587	N/A -	251595	N/A -
500	34/35	2	251588	N/A -	251596	N/A -
1000	45/40	2	251589	N/A -	251597	N/A -
2000	45/40	1	251590	N/A -	251598	N/A -



Class B - High Form

Measuring cylinders with DIN standard neck

- Borosilicate glass with DIN standard neck
- Complies with ISO 4788
- White enamel graduations for class A specimens, blue for class B specimens
- Supplied with polyethylene DIN cap
- Class A certified version individually tested at 5 points and calibrated to Class A tolerances
- Robust hexagonal base



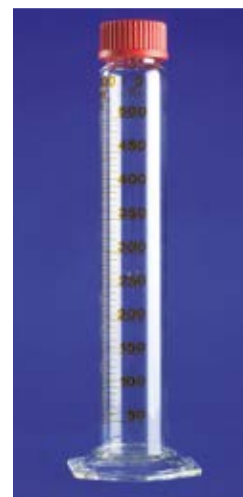
Vol. (ml)	Socket DIN	Units/box	Class B	
			Cat. No.	Price/box
10	10/19	2	-	-
25	14/23	2	-	-
50	19/26	2	090192	N/A -
100	24/29	2	090193	N/A -
250	29/32	2	090194	N/A -
500	34/35	2	090195	N/A -
1000	45/40	2	090196	N/A -
2000	45/40	1	090197	N/A -



Borosilicate glass measuring cylinders with screw cap

- Hexagonal base
- Class DIN B
- Borosilicate glass
- Screw cap GL

Cat. No.	Screw neck GL	Volume (ml)	Price
046475	14	10	N/A -
046477	25	50	N/A -
046478	32	100	N/A -
046479	45	250	N/A -
046480	45	500	N/A -



The classics

Uncapped - Wide neck

DURAN® Borosilicate Glass Erlenmeyer flask with graduations, wide neck



Cat.No.	Volume (ml)	Base ø (mm)	Neck ø (mm)	Height (mm)	Units/box	Price/box
090957	25	43	31	70	10	N/A -
090958	50	51	34	85	10	N/A -
090959	100	64	34	105	10	N/A -
090960	200	79	50	131	10	N/A -
090961	250	85	50	140	10	N/A -
090962	300	87	50	156	10	N/A -
090963	500	105	50	175	10	N/A -
090964	1000	131	50	220	10	N/A -
090965	2000	153	72	276	10	N/A -
090966*	3000	190	106	285	1	N/A -
090967*	5000	220	108	322	1	N/A -
090968*	10000	285	147	420	1	N/A -

* Conical bottle without graduation (see photo on the right)
Certificate and batch tracking: using the special 8-digit code on the bottle, a certificate can be obtained directly from the Internet.

Pyrex® Borosilicate Glass Erlenmeyer



Uncapped Erlenmeyer flasks with wide neck -
With traceability code



Cat. No.	Volume (ml)	Ø x H (mm)	Inn. Neck ø (mm)	Neck Outer ø (mm)	Units/box	Price/box
090682	50	48 x 84	30	34	1	N/A -
090683	100	64 x 105	30	34	1	N/A -
090684	250	85 x 140	46	50	1	N/A -
090685	500	105 x 175	46	50	1	N/A -
090686	1000	131 x 220	46	50	1	N/A -
211925*	2000	153 x 275	66	-	10	N/A -

Glass Erlenmeyer with wide neck



- Borosilicate glass 3.3
- ISO 1773
- With graduation

Vol. (ml)	Units/box	Cat. No.	Neck ø (mm)	Outer ø (mm)	Height (mm)	Price/box
25	10	511405*	31	41	69	N/A -
50	10	068969B	35	51	85	N/A -
100	10	068970B	35	64	105	N/A -
200	10	511406*	50	79	131	N/A -
250	10	068971B	50	85	140	N/A -
300	10	511407*	50	87	156	N/A -
500	10	068972B	50	105	175	N/A -
1000	10	068973B	50	131	220	N/A -
2000	10	958559B	69	166	280	N/A -

* Not included in ISO

Uncapped - Narrow neck

Erlenmeyer flask with narrow neck SLS Select



- Made of high quality borosilicate glass
- With white scales and marking area
- Excellent chemical and thermal resistance



Cat. No.	Volume (ml)	Ø x h (mm)	Internal Ø Neck (mm)	Units/box	Price/box
257068	50	80 x 54	24	12	N/A -
257069	100	105 x 64	29	12	N/A -
257070	250	145 x 85	31	6	N/A -
257071	500	184 x 103	36	6	N/A -
257072	1000	131 x 214	42	6	N/A -

Pyrex® Heavy-duty Erlenmeyer



- High shock resistance thanks to consistent thickness of walls and bottom; neck is also reinforced with a thick rim
- White enamel indelible graduations
- Perfectly flat base for optimised stirring



Cat. No.	Vol. (ml)	Body outer ø (mm)	Neck outer ø (mm)	Inn. Neck ø (mm)	Height (mm)	Units/box	Price/box
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Graduated Erlenmeyer flasks, narrow neck, heavy duty

231920	10	31	17	12	50	12	N/A -
231928	25	41	21	14	65	12	N/A -
231933	50	51	22	15	78	12	N/A -
231942	125	67	28	24	114	12	N/A -
231947	250	82	32	28	132	12	N/A -
231954	500	101	37	32	176	6	N/A -
231960	1000	129	47	40	216	6	N/A -
231965	2000	160	50	43	268	1	N/A -
231972	4000	206	57	43	356	1	N/A -
231975	6000	235	67	43	410	1	N/A -

Graduated Erlenmeyer flasks, wide neck, heavy duty

232442	125	66	32	28	108	12	N/A -
232447	250	81	39	36	134	12	N/A -
232454	500	97	47	42	170	6	N/A -
232460	1000	122	52	49	219	6	N/A -
232465	2000	156	68	62	279	1	N/A -

DURAN® Erlenmeyer flask with narrow neck

Cat.No.	Volume (ml)	Base outer Ø (mm)	Neck outer Ø	Height (mm)	Units/box	Price/box
083340	25	42	22	75	10	N/A -
212161707*	50	51	22	90	10	N/A -
083341	100	64	22	105	10	N/A -
083342	125	67	28	112	10	N/A -
083860**	150	74	28	118	10	N/A -
083343**	200	79	34	131	10	N/A -
090213S	250	85	34	145	1	N/A -
083344**	300	87	34	156	10	N/A -
090214S	500	105	34	180	1	N/A -
083619	800	120	42	200	10	N/A -
090215S	1000	131	42	220	1	N/A -
090216S	2000	166	50	280	1	N/A -
083345	3000	187	52	310	2	N/A -
083346	5000	220	52	365	1	N/A -

* No traceability code / ** Not ISO compliant

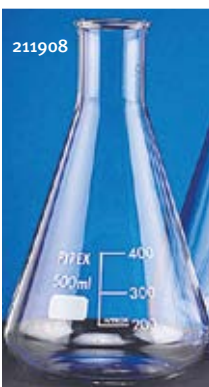
- With graduations
- Homogeneous wall thickness
- Traceability code
- Complies ISO 1773
- Meet USP pharmacopoeia
- Autoclavable



Pyrex® Borosilicate Glass Erlenmeyer

Uncapped Erlenmeyer flasks with narrow necks - With traceability code

Cat. No.	Vol. (ml)	Ø x H (mm)	Inn. Neck Ø (mm)	Neck Outer Ø (mm)	Uni./box	Price/box
211901	5	25 x 52	12	15	10	N/A -
211902	10	30 x 60	12	15	10	N/A -
211903	25	42 x 70	18	22	10	N/A -
211904	50	51 x 85	18	22	10	N/A -
211905	100	64 x 105	18	22	10	N/A -
001236	150	74 x 118	28	-	10	N/A -
211906	200	79 x 131	34	40	10	N/A -
211907	250	85 x 140	30	34	10	N/A -
761755	300	87 x 156	34	40	10	N/A -
211908	500	105 x 180	30	34	10	N/A -
211909	1000	131 x 220	36	42	10	N/A -
211910	2000	166 x 280	45	50	10	N/A -
211910A	2000	166 x 280	45	50	1	N/A -
211911	3000	187 x 310	46	52	2	N/A -
211912	5000	220 x 365	46	52	1	N/A -



Glass Erlenmeyer with narrow neck

- Borosilicate glass 3.3
- ISO 1773
- With graduation

Vol. (ml)	Units/box	Cat. No.	Neck Ø (mm)	Outer Ø (mm)	Height (mm)	Price/box
25	10	068915B	22	42	75	N/A -
50	10	068916B	22	51	90	N/A -
100	10	068917B	22	64	105	N/A -
200	10	511402*	34	79	135	N/A -
250	10	068918B	34	85	145	N/A -
300	10	511403*	34	87	160	N/A -
500	10	068919B	34	105	180	N/A -
1000	10	511404	42	131	220	N/A -
2000	10	958553C	50	166	280	N/A -
3000	1	958555B	50	187	310	N/A -
5000	1	958552B	50	220	365	N/A -

* Not included in ISO



With cap

Erlenmeyer with screw cap

- Made of DURAN® 3.3 borosilicate glass with volume graduations and marking area and PTFE-coated screw cap



Cat. No.	Vol. (ml)	Neck (mm)	out. Ø (mm)	Units/box	Price/box
673370B	100	25	64	10	N/A -
673614	250	32	85	1	N/A -
673614B	250	32	85	10	N/A -
673615	500	32	105	1	N/A -
673615B	500	32	105	10	N/A -
673616	1000	32	131	1	N/A -
673616B	1000	32	131	10	N/A -

Hybex™ Erlenmeyer with screw cap



- Made of Hybex™ borosilicate glass
- With screw cap GL45 and non-drip spill ring
- Autoclavable
- Marking area
- Applications: agitation, media preparation and storage

Cat. No.	Volume (ml)	Units/box	Price/box
162510	250	12	N/A -
162511	500	6	N/A -
162512	1000	6	N/A -
162513	2000	1	N/A -

Pyrex® Borosilicate Glass Erlenmeyer



Erlenmeyer flask with screw cap type PBT

PBT screw caps, autoclavable and dry steam sterilisable up to 180 °C.

Cat. No.	Volume (ml)	Ø x H (mm)	Inn. Neck ø (mm)	Neck Outer ø (mm)	Units/box	Price/box
211914	10	30 x 68	10	SVL15	10	N/A -
211915	25	42 x 76	17	SVL22	10	N/A -
211916	50	51 x 85	17	SVL22	10	N/A -
211917	100	64 x 105	24	SVL30	10	N/A -
211918	250	85 x 140	35	SVL42	10	N/A -
211919	500	105 x 170	35	SVL42	10	N/A -
211920	1000	131 x 215	35	SVL42	1	N/A -
211921	2000	166 x 280	35	SVL42	5	N/A -
211922	3000	187 x 315	35	SVL42	5	N/A -

The variants

Wide neck

DURAN Super Duty Erlenmeyer



- ▶ With white graduations and marking area
- ▶ Traceability code printed on the flask for printing batch certificates
- ▶ DURAN borosilicate glass type 1
- ▶ Thick-walled
- ▶ Reinforced rim and spout

Vol. (ml)	Units/box	Wide neck			
		Neck Ø x Ø (mm)	Height (mm)	Cat. No.	Price/box
100	10	64 x 34	105	091978	N/A -
250	10	85 x 50	140	091979	N/A -
500	10	105 x 50	175	091980	N/A -
1000	10	131 x 50	220	091981	N/A -

Narrow neck

DURAN Super Duty Erlenmeyer



- ▶ With white graduations and marking area
- ▶ Traceability code printed on the bottle for printing batch certificates
- ▶ DURAN borosilicate glass type 1
- ▶ Thick-walled
- ▶ Reinforced rim and spout

Vol. (ml)	Units/box	Narrow neck			
		Neck Ø x Ø (mm)	Height (mm)	Cat. No.	Price/box
25	10	42 x 22	75	091970	N/A -
50	10	51 x 22	90	091971	N/A -
100	10	64 x 22	105	091972	N/A -
250	10	85 x 34	145	091973	N/A -
500	10	105 x 34	180	091974	N/A -
1000	10	131 x 42	220	091975	N/A -
2000	10	166 x 50	280	091976	N/A -
5000	1	220 x 52	365	091977	N/A -

Pyrex® Heavy-duty Erlenmeyer



Graduated Erlenmeyer flasks, wide neck, for intensive use.

- ▶ High shock resistance thanks to consistent thickness of walls and bottom; neck is also reinforced with a thick rim
- ▶ White enamel indelible graduations
- ▶ Perfectly flat base for optimised stirring

Cat. No.	Volume (ml)	Body outer ø (mm)	Neck outer ø (mm)	Inn. Neck ø (mm)	Height (mm)	Units/box	Price/box
232442	125	66	32	28	108	12	N/A -
232447	250	81	39	36	134	12	N/A -
232454	500	97	47	42	170	6	N/A -
232460	1000	122	52	49	219	6	N/A -
232465	2000	156	68	62	279	1	N/A -

Pyrex® Heavy-duty Erlenmeyer



Graduated Erlenmeyer flasks, narrow neck, heavy duty.

- ▶ High shock resistance thanks to consistent thickness of walls and bottom; neck is also reinforced with a thick rim
- ▶ White enamel indelible graduations
- ▶ Perfectly flat base for optimised stirring

Cat. No.	Volume (ml)	Body outer ø (mm)	Neck outer ø (mm)	Inn. Neck ø (mm)	Height (mm)	Units/box	Price/box
231920	10	31	17	12	50	12	N/A -
231928	25	41	21	14	65	12	N/A -
231933	50	51	22	15	78	12	N/A -
231942	125	67	28	24	114	12	N/A -
231947	250	82	32	28	132	12	N/A -
231954	500	101	37	32	176	6	N/A -
231960	1000	129	47	40	216	6	N/A -
231965	2000	160	50	43	268	1	N/A -
231972	4000	206	57	43	356	1	N/A -
231975	6000	235	67	43	410	1	N/A -

For cell culture

Without cap

Conical Flasks with Baffle Indents

- In Pyrex® borosilicate glass
- Exhibits 4 baffle indents to provide optimal and consistent agitation
- Autoclavable



Conical flasks with baffle indents, Delong neck

Delivered without cap (compatible with aluminium cap 232528 or polypropylene cap 232529).

Cat. No.	Capacity (ml)	Body out. Ø (mm)	Height (mm)	Neck out. Ø (mm)	Units/box	Price/box
251571	250	82	155	38	5	N/A -
251572	500	101	193	38	5	N/A -
251573	1000	128	222	38	2	N/A -
251574	2000	166	300	38	1	N/A -

Erlenmeyer flasks with baffles

- Pyrex® Glass
- Flat base and even wall thickness
- Maximum stirring due to the height of the 4 deflectors (approx. 1/3 of the total height)



Cat. No.	Vol. (ml)	Body outer Ø (mm)	Inn. Neck Ø (mm)	Height (mm)	Units/box	Price/box
761623	250	82	32	138	5	N/A -
761624	500	101	36	186	5	N/A -
761625	1000	129	43	222	2	N/A -
761626	2000	161	49	282	1	N/A -

Caps for culture flasks

- For use with Culture flasks 232522 to 232525 and Fernbach Culture flasks 232526 and 232527
- Two types of caps: anodised aluminium or polypropylene 2 positions
- Autoclavable



Cat. No.	Cap Type	Units/box	Price/box
232528	Aluminium	10	N/A -
232529	Polypropylene	10	N/A -

TIP



See aluminium caps page 688

Pyrex® Culture flasks

- Ideal for the preparation of cultures, shakers
- Compatible with most agitation devices
- Long tube neck without rim for use with caps
- Made of Pyrex® borosilicate glass with white enamelled screen printing
- Compatible with aluminium or polypropylene caps Cat. No. 232528 and 232529
- Traceability code



Cat. No.	Capacity (ml)	Body outer Ø (mm)	Neck outer Ø (mm)	Height (mm)	Units/box	Price/box
232522	250	85	38	148	10	N/A -
232523	500	105	38	183	5	N/A -
232524	1000	131	38	229	2	N/A -
232525	2000	166	38	302	1	N/A -

Fernbach culture flasks

Cat. No.	Capacity (ml)	Type of neck	Units/box	Price/box
232526	2800	Straight neck	2	N/A -
232527	2800	Screw neck	2	N/A -

- Used in culture preparation
- Large surface-to-volume ratio
- Made of Pyrex® borosilicate glass
- 3 deflectors to ensure optimal and regular agitation
- Available in two versions:
 - long and straight neck, compatible with caps 232528 and 232529
 - screw neck to be used with polypropylene screw cap GL45



With cap



DURAN® Erlenmeyer flasks with baffles



Erlenmeyer flask with 4 baffles to promote oxygenation of bacterial cultures during growth under agitation.

- Supplied with a blue polypropylene GL45 cap with membrane and spill ring
- Autoclavable borosilicate glass flask with traceability code
- Glass material: DURAN® no interaction between glass and product, autoclavable, highly transparent, complies with USP/EP pharmacopoeia. With Retrace Code (batch certificate via Internet)
- Cap Type: PP (polypropylene) with autoclavable PTFE membrane, heat resistant up to approx. 140 °C

Cat. No.	Capacity (ml)	Thread	Dimensions Ø x H (mm)	Units/box	Price/box
092049	250	GL 45	85 x 145	4	N/A -
092050	500	GL 45	105 x 180	4	N/A -
092147	1000	GL 45	136 x 221	1	N/A -



Conical Flasks with Baffle Indents



- In Pyrex® borosilicate glass
- Exhibits 4 baffle indents to provide optimal and consistent agitation
- Autoclavable

Conical flasks with baffles and membrane screw caps

With screw cap GL45 made of polypropylene with PTFE membrane.

Cat. No.	Capacity (ml)	Body out. Ø (mm)	Height (mm)	Thread (mm)	Units/box	Price/box
251567	250	82	130	45	5	N/A -
251568	500	101	165	45	5	N/A -
251569	1000	129	205	45	2	N/A -
251570	2000	166	265	45	1	N/A -

Pyrex® Cylindrical-conical flasks



- Made of Pyrex® borosilicate glass for improved resistance to thermal shock and chemical corrosion
- Ideal for fermentation and cultivation work
- White enamel marking
- Autoclavable

Cat. No.	Capacity (ml)	Body outer Ø (mm)	Neck outer Ø (mm)	Height (mm)	Units/box	Price/box
211926	60	45	25	70	10	N/A -
211927	125	60	30	97	10	N/A -
211928	250	69	34	130	10	N/A -
232521	500	90	35	154	1	N/A -

Fernbach bottles



- In borosilicate glass type 1
- Autoclavable polypropylene screw cap GL45
- Polyethylene seal



Cat. No.	Volume (ml)	Number of baffles	Ø x H (mm)	Price
508308	1800	-	200 x 157	N/A -
508309	2800	-	210 x 225	N/A -
508310	1800	3 side baffles	200 x 157	N/A -
508311	2800	3 side baffles	210 x 225	N/A -
508312	1800	3 bottom, 3 side baffles	200 x 157	N/A -
508313	2800	3 bottom, 3 side baffles	210 x 225	N/A -

CULTURE FLASKS/ VOLUMETRIC FLASKS

DURAN® glass Roux culture flask



Cat. No.	Volume (ml)	Length (mm)	Width (mm)	Height (mm)	Neck ø (mm)	Price 10 units
080516	1200	260	122	56	32	N/A -

DURAN® glass culture flask, Roux type, conical neck, excentric



Cat. No.	Volume (ml)	Length (mm)	Width (mm)	Height (mm)	Price 10 units
080517	1200	275	132	56	N/A -

Hirschmann volumetric flasks

Duran® Volumetric flasks, class A

Cat. No.	Vol. (ml)	Type	Tolerance (+/-ml)	Height (+/- 5 mm)	Units/box	Price/box
501018	5	Duran	0.025	70	2	N/A -
501019	10	Duran	0.025	90	2	N/A -
501020	20	Duran	0.04	110	2	N/A -
501021	25	Duran	0.04	110	2	N/A -
501022	50	Duran	0.06	140	2	N/A -
501023	100	Duran	0.1	170	2	N/A -
501024	200	Duran	0.15	210	2	N/A -
501025	250	Duran	0.15	220	2	N/A -
501026	500	Duran	0.25	260	2	N/A -
501027	1000	Duran	0.4	300	1	N/A -
501028	2000	Duran	0.6	370	1	N/A -
501029	5000	Duran	1.2	470	1	N/A -
501030	10000	Duran	2	570	1	N/A -

- Certificate of conformity with dated batch number
- Border
- Blue graduation
- Complies with DIN EN ISO 1042



MBL® Volumetric flasks, class A

Smooth neck flask without stopper (A)

Volume (ml)	Tolerance (+/-ml)	Body ø x H (mm)	Inn. Neck ø (mm)	Units/box	Cat. No.	Price/box
5	0.025	27 x 72	9.5	5	090067	N/A -
10	0.025	32 x 92	9.5	5	090068	N/A -
20	0.040	37 x 107	9.5	5	090069	N/A -
25	0.040	39 x 112	10.2	5	090070	N/A -
50	0.060	48 x 145	11	5	090071	N/A -
100	0.100	61 x 175	13	5	090072	N/A -
200	0.150	76 x 215	15.4	5	090073	N/A -
250	0.150	80 x 225	15.4	2	090074	N/A -
500	0.250	101 x 261	18.4	2	090075	N/A -
1000	0.400	127 x 305	22	2	090076	N/A -
2000	0.600	161 x 375	25	1	090077	N/A -
5000	1.200	215 x 475	35	1	090078	N/A -

- Complies with ISO 1042 (BSI 1792) DIN 12664
- Neck fitted with a thick rim to fit a rubber cap
- Certified "H" brand
- Engraved gauge line
- Blue enamel inscription
- Delivered with certificate of conformity
- Batch number engraved on each volumetric flask



BLAUBRAND® Volumetric flasks, class A

Smooth neck flask without stopper (A)

- BLAUBRAND® consistent quality
- Class A
- Certified as compliant H
- Made of DURAN®, DIN EN ISO 1042
- Batch certificate delivered per packaging unit
- Smooth neck without cap,



Vol. (ml)	Tolerance (+/-ml)	Units/box	Safety	Cat. No.	Price/box
10	0.04	2	10/19	090639	N/A -
20	0.04	2	10/19	090640	N/A -
25	0.04	2	10/19	090641	N/A -
50	0.06	2	12/21	090642	N/A -
100	0.1	2	14/23	090643	N/A -
200	0.15	2	14/23	090644	N/A -
250	0.15	2	14/23	090645	N/A -
500	0.25	2	19/26	090646	N/A -
1000	0.4	1	24/29	090647	N/A -



With cap

Hirschmann volumetric flasks



C - Volumetric flasks according to Kohlrausch

► Certificate of conformity (with dated batch number)

Cat. No.	Vol. (ml)	Type	Tolerance (+/-ml)	Height (+/- 5 mm)	Units/box	Price/box
501069	100	Duran®	0.1	170	2	N/A -
501070	200	Duran®	0.15	210	2	N/A -



Pyrex® Glass volumetric flasks, class A



Pyrex® Glass Complies with ISO 1042 and DIN 12664.

To enable traceability, each flask has a batch number.

► Engraved gauge line for improved accuracy

► Supplied with a polyethylene cap

► White enamel silk-screen inscriptions

Cat. No.	Vol. (ml)	Tolerance (+/-ml)	Socket (CN)	Units/box	Price/box
442716	1	0.02	7/16	5	N/A -
442717	2	0.02	7/16	5	N/A -
090048	5	0.02	10/19	5	N/A -
090049	10	0.02	10/19	5	N/A -
090050	20	0.03	10/19	5	N/A -
090051	25	0.03	10/19	5	N/A -
090052	50	0.05	12/21	5	N/A -
090053	100	0.08	14/23	5	N/A -
090054	200	0.10	14/23	5	N/A -
090055	250	0.12	14/23	2	N/A -
090056	500	0.15	19/26	2	N/A -
090057	1000	0.30	24/29	2	N/A -
090058	2000	0.50	29/32	1	N/A -
090059	5000	1.00	34/35	1	N/A -



Pyrex® UKAS Glass volumetric flasks, class A



► Made of Pyrex® borosilicate glass for photosensitive solutions, clear or amber

► Complies with ISO /IEC 17025, ISO 1042, DIN12664

► Calibrated to USP tolerances

► Delivered with UKAS certificate

► Serial number and date of manufacture engraved on each flask

► White enamel inscriptions

► Polyethylene cap

Capacity (ml)	Tolerance +/- (ml)	Approx. H (mm)	Socket (CN)	Colours Clear	Price/box	Amber	Price/box
5	0.02	70	10/19	233142	N/A -	233153	N/A -
10	0.02	90	10/19	233143	N/A -	233154	N/A -
20	0.03	110	10/19	233144	N/A -	-	-
25	0.03	110	10/19	233145	N/A -	233155	N/A -
50	0.05	140	12/21	233146	N/A -	233156	N/A -
100	0.08	170	14/23	233147	N/A -	233157	N/A -
200	0.1	210	14/23	233148	N/A -	233158	N/A -
250	0.12	220	14/23	233149	N/A -	233159	N/A -
500	0.2	260	19/26	233150	N/A -	233160	N/A -
1000	0.3	300	24/29	233151	N/A -	233161	N/A -
2000	0.5	370	29/32	233152	N/A -	233162	N/A -

BLAUBRAND® PURprotect volumetric flasks



- In Boro 3.3 glass
- Class A, DE-M marking
- DIN EN ISO 1042
- With polypropylene cap
- With batch certificate
- In the event of breakage, the plastic coating helps containing the glass fragments and avoids liquid loss
- The light blue coating facilitates optical distinction of the PURprotect flasks
- Resistant to 135 °C in dry heat
- Autoclavable at 121 °C (If frequent reduces splintering protection)
- Cleaning up to max. 95 °C.

Cat. No.	Volume (ml)	Accuracy (±ml)	Socket	Units/box	Price/box
781618*	50	0.1	14/23	2	N/A -
781619	100	0.1	14/23	2	N/A -
781620	200	0.15	14/23	2	N/A -
781621	250	0.15	14/23	2	N/A -
781912	500	0.25	19/26	2	N/A -
674072	1000	0.4	24/29	1	N/A -

* Wide neck

Hirschmann volumetric flasks

A - Volumetric flasks class A, with polypropylene stopper, brown graduation



Cat. No.	Vol. (ml)	Type	Tolerance (+/-ml)	Height (+/- 5 mm)	Units/box	Price/box
501031	5	NS 7/16	0.025	70	2	N/A -
501032	5	NS 10/19*	0.04	70	2	N/A -
501033	10	NS 7/16	0.025	90	2	N/A -
501034	10	NS 10/19*	0.04	90	2	N/A -
501035	20	NS 10/19	0.04	110	2	N/A -
501036	20	NS 12/21	0.06	105	2	N/A -
501037	25	NS 10/19	0.04	110	2	N/A -
501038	25	NS 12/21*	0.06	110	2	N/A -
501039	50	NS 12/21	0.06	140	2	N/A -
501040	50	NS 14/23*	0.08	140	2	N/A -
501041	100	NS 12/21	0.1	170	2	N/A -
501042	100	NS 14/23	0.1	170	2	N/A -
501043	200	NS 14/23	0.15	210	2	N/A -
501044	250	NS 14/23	0.15	220	2	N/A -
501045	500	NS 19/26	0.25	260	2	N/A -
501046	1000	NS 29/32*	0.6	300	1	N/A -
501047	1000	NS24/29	0.4	300	1	N/A -
501048	2000	NS29/32	0.6	370	1	N/A -
501049	5000	NS34/35	1.2	470	1	N/A -
501050	10000	NS45/40	2.0	570	1	N/A -

* Wide neck

E - Volumetric flasks class A, brown glass

- > Certificate of conformity (with dated batch number)
- > With polypropylene or glass stopper
- > Complies with DIN EN ISO 1042



Capacity (ml)	Type	Tolerance (+/-ml)	Height (+/- 5 mm)	Units/box	Flask with plastic stopper		Flask, glass stopper	
					Cat. No.	Price box	Cat. No.	Price box
5	NS 7/16	0.025	70	2	500988	N/A -	501003	N/A -
5	NS 10/19*	0.04	70	2	500989	N/A -	501004	N/A -
10	NS 7/16	0.025	90	2	500990	N/A -	501005	N/A -
10	NS 10/19*	0.04	90	2	500991	N/A -	501006	N/A -
20	NS 10/19	0.04	110	2	500992	N/A -	501007	N/A -
25	NS 10/19	0.04	110	2	500993	N/A -	501008	N/A -
50	NS 12/21	0.06	140	2	500994	N/A -	501009	N/A -
50	NS 14/23*	0.08	140	2	500995	N/A -	501010	N/A -
100	NS 12/21	0.1	170	2	500996	N/A -	501011	N/A -
100	NS 14/23	0.1	170	2	500997	N/A -	501012	N/A -
200	NS 14/23	0.15	210	2	500998	N/A -	501013	N/A -
250	NS 14/23	0.15	220	2	500999	N/A -	501014	N/A -
500	NS 19/26	0.25	260	2	501000	N/A -	501015	N/A -
1000	NS 24/29	0.4	300	1	501001	N/A -	501016	N/A -
2000	NS 29/32	0.6	370	1	501002	N/A -	501017	N/A -

* Wide neck

F - Volumetric flasks class A, USP brown glass

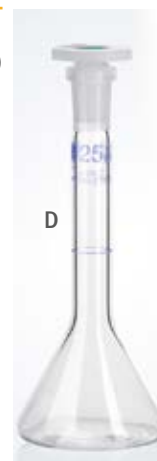
- > In brown borosilicate glass
- > With polypropylene cap

Cat. No.	Vol. (ml)	Tolerance (+/-ml)	Height (+/- 5 mm)	Units/box	Price/box
501071	5	0.02	70	2	N/A -
501072	10	0.02	90	2	N/A -
501073	20	0.03	110	2	N/A -
501074	25	0.03	110	2	N/A -
501075	50	0.05	140	2	N/A -
501076	100	0.08	170	2	N/A -
501077	200	0.1	210	2	N/A -
501078	250	0.12	220	2	N/A -
501079	500	0.15	260	2	N/A -
501080	1000	0.3	300	1	N/A -
501081	2000	0.5	370	1	N/A -



D - Volumetric flasks Class A, trapezoidal stopper

- > Certificate of conformity (with dated batch number)
- > With polypropylene or trapezoidal glass stopper
- > Complies with DIN EN ISO 1042



Vol. (ml)	Tolerance (+/-ml)	Tolerance (+/-ml)	Height (+/- 5 mm)	Polypropylene stopper		Glass stopper	
				Cat. No.	Price 2 units	Cat. No.	Price 2 units
1	NS 7/16	0.025	60	501051	N/A -	501060	N/A -
2	NS 7/16	0.025	70	501052	N/A -	501061	N/A -
5	NS 7/16	0.025	70	501053	N/A -	501062	N/A -
5	NS 10/19*	0.04	70	501054	N/A -	501063	N/A -
10	NS 7/16	0.025	90	501055	N/A -	501064	N/A -
10	NS 10/19*	0.04	90	501056	N/A -	501065	N/A -
20	NS 10/19	0.04	110	501057	N/A -	501066	N/A -
25	NS 10/19	0.04	110	501058	N/A -	501067	N/A -
50	NS 12/21	0.06	140	501059	N/A -	501068	N/A -

* Wide neck

MBL® Volumetric flasks, class A



- Complies with ISO 1042 (BSI 1792) DIN 12664
- Neck fitted with a thick rim to fit a rubber cap
- Certified "H" brand
- Engraved gauge line
- Blue enamel inscription
- Delivered with certificate of conformity
- Batch number engraved on each volumetric flask

Flasks with PE stopper (B)

Volume (ml)	Tolerance (+/-ml)	Body ø x H (mm)	Inn. Neck ø (mm)	Cat. No.	Units/box	Price/box
5	0.025	27 x 72	9.5	090462	5	N/A -
10	0.025	32 x 92	9.5	090463	5	N/A -
20	0.040	37 x 107	9.5	090475	5	N/A -
25	0.040	39 x 112	10.2	090476	5	N/A -
50	0.060	48 x 145	11	090233	5	N/A -
100	0.100	61 x 175	13	090234	5	N/A -
200	0.150	76 x 215	15.4	090235	5	N/A -
250	0.150	80 x 225	15.4	090236	2	N/A -
500	0.250	101 x 261	18.4	090237	2	N/A -
1000	0.400	127 x 305	22	090238	2	N/A -
2000	0.600	161 x 375	25	090239	1	N/A -
5000	1.200	215 x 475	35	090241	1	N/A -

BLAUBRAND® Volumetric flasks, class A



- BLAUBRAND® consistent quality
- Class A
- Certified as compliant
- Made of DURAN®, DIN EN ISO 1042
- Batch certificate delivered per packaging unit
- Smooth neck without stopper, or with square polypropylene stopper with drip tip (this stopper significantly reduces the danger of breakage in the event of spillage and prevents the flask from rolling onto the bench), or with glass stopper

Vol. (ml)	Tolerance (+/-ml)	Units/box	Safety	Flask with PP stopper		Flask with glass stopper (B)		Amber flask with PP stopper		Amber flask with glass stopper	
				Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box	Cat. No.	Price/box
5	0.04	2	10/19	090648	N/A -	781664	N/A -	781698	N/A -	781708	N/A -
10	0.04	2	10/19	090649	N/A -	092403	N/A -	781699	N/A -	674359B	N/A -
20	0.04	2	10/19	090650	N/A -	781665	N/A -	781700	N/A -	781709	N/A -
20	0.06	2	-	-	-	781666	N/A -	-	-	-	-
25	0.04	2	10/19	090102	N/A -	781667	N/A -	674399	N/A -	781710	N/A -
25	0.06	2	-	-	-	781668	N/A -	-	-	-	-
50	0.06	2	12/21	090652	N/A -	781669	N/A -	781702	N/A -	781712	N/A -
50	0.1	2	14/23	090653	N/A -	673390	N/A -	781701	N/A -	781711	N/A -
100	0.1	2	12/21	090654	N/A -	781670	N/A -	-	-	-	-
100	0.1	2	14/23	090655	N/A -	781671	N/A -	781703	N/A -	781713	N/A -
200	0.15	2	14/23	090656	N/A -	781672	N/A -	781704	N/A -	781714	N/A -
250	0.15	2	14/23	090657	N/A -	781673	N/A -	781705	N/A -	781715	N/A -
500	0.25	2	19/26	090658	N/A -	781674	N/A -	781706	N/A -	781716	N/A -
1000	0.4	1	24/29	090659	N/A -	781675	N/A -	781707	N/A -	674073	N/A -
2000	0.6	1	29/32	090660	N/A -	781676	N/A -	-	-	-	-
5000	1.2	1	34/35	090661	N/A -	781677	N/A -	-	-	-	-



Volumetric flasks with PTFE stopper



- In borosilicate glass class A
- PTFE stopper and cone seal
- ISO standard DIN 1042
- Reference temperature at 20 °C
- Blue marking

Cat. No.	Volume (ml)	(CN) socket	Units/box	Price/box
360001	5	10/19	1	N/A -
360002	10	10/19	1	N/A -
360003	20	10/19	2	N/A -
360004	25	10/19	2	N/A -
360005	50	14/23	2	N/A -
360006	100	14/23	2	N/A -
360007	200	14/23	2	N/A -
360008	250	14/23	2	N/A -
360009	500	19/26	2	N/A -
360010	1000	24/29	2	N/A -

STOPPERS FOR FLASKS/ FUNNELS

Polyethylene stoppers

- Stoppers for test tubes or volumetric flasks in glass or plastic
- Made of polyethylene
- Wide head guarantees a good grip and protection of the glassware in case of tipping



Cat. No.	CN male socket	Units/box	Price/box
090198	10/19	10	N/A -
761833	12/21	10	N/A -
761834	14/23	10	N/A -
761835	19/26	10	N/A -
001882	24/29	10	N/A -
761836	29/32	10	N/A -
761837	34/35	10	N/A -

Conical stoppers for flasks



- Polyethylene, waterproof
- Conforms to standard DIN 12242

Lower ø (mm)	NS Cone	Colours	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
5.9	7/16	Violet	391498B	10	N/A -	391498	50	N/A -
8.1	10/19	Blue	391499B	10	N/A -	391499	50	N/A -
10.4	12/21	Green	391500B	10	N/A -	391500	50	N/A -
12.2	14/23	Brown	391501B	10	N/A -	391501	50	N/A -
16.4	19/26	Yellow	391502B	10	N/A -	391502	50	N/A -
21.1	24/29	Red	391503B	10	N/A -	391503	50	N/A -
25.8	29/32	Black	391504	10	N/A -	-	-	-
30.9	34/35	White	391505	10	N/A -	-	-	-

Funnels for liquids

DURAN® Borosilicate Glass Funnels



Short stem

Cat. No.	ø (mm)	Height (mm)	Steam ø x H (mm)	Filter paper (mm)	Units/box	Price/box
080519	35	60	6 x 35	45-55	10	N/A -
080520	45	80	6 x 45	55-70	10	N/A -
080521	55	95	8 x 55	70-90	10	N/A -
080522	70	125	8 x 70	110-125	10	N/A -
080523	80	140	10 x 80	125-150	10	N/A -
080524	100	180	10 x 100	150-185	10	N/A -
080525	120	210	16 x 120	185-240	10	N/A -
080526	150	265	16 x 150	240-270	10	N/A -
080527	180	290	20 x 150	270-320	1	N/A -
080528	200	325	26 x 175	320 - 385	1	N/A -
080530	300	409	30 x 175	500	1	N/A -



Short stem



Long stem

Long stem

Cat. No.	ø (mm)	Height (mm)	Steam ø x H (mm)	Filter paper (mm)	Price 10 units
080548	55	190	6 x 150	70-90	N/A -
080549	70	200	6 x 150	110-125	N/A -
080550	80	210	6 x 150	125- 150	N/A -

Pyrex® borosilicate glass funnels



Short stem funnels, 60° angle.

Cat. No.	Opening diameter (mm)	Price
090160	45	N/A -
090161	70	N/A -
090162	80	N/A -
090163	100	N/A -
090164	125	N/A -
090165	150	N/A -
090166	200	N/A -



Borosilicate Glass Funnels, 60° angle



Borosilicate glass 3.3.

Cat. No.	Volume (ml)	Ø (mm)	Units/box	Price/box
068957	8	35	10	N/A -
068958	15	45	10	N/A -
068959	30	55	10	N/A -
068960	95	75	10	N/A -
068961	140	85	10	N/A -
068962	190	100	10	N/A -
068964B	750	150	6	N/A -
068965	1900	200	6	N/A -
068966B	2500	230	12	N/A -

Funnels for Powder



DURAN® Borosilicate Glass Funnels for Powder



Cat. No.	Ø (mm)	Height (mm)	Steam Ø x H (mm)	Units/box	Price/box
080537	55	60	20 x 30	10	N/A -
080538	70	72	22 x 30	10	N/A -
080539	80	79	24 x 30	10	N/A -
080540	100	94	26 x 30	10	N/A -
080541	120	105	34 x 30	10	N/A -
080542	160	140	35 x 30	1	N/A -
080543	200	170	40 x 30	1	N/A -



Pyrex® Heavy-duty Funnels for Powder



The wide thick rim all around the bell and the thickness of the walls protect these funnels against accidental shocks and reduce the risks of breakage.

Cat. No.	Vol. (ml)	Bell outer Ø (mm)	Stem outer Ø (mm)	Rod length (mm)	Total height (mm)	Price
251505B	65	65	15	25	83	N/A -
251507B	110	75	17	30	94	N/A -
251510B	250	100	20	30	120	N/A -
251512B	400	125	25	35	132	N/A -
251515B	900	150	30	35	157	N/A -

ROUND FLASKS

DURAN® Round Flask with Narrow Neck



- Reinforced rim for round flasks with a neck diameter equal to or greater than 65 mm
- Duran® borosilicate glass
- With beaded rim
- According to ISO 1773

Vol. (ml)	Body ø (mm)	Neck ø (mm)	Units/box	Round bottom			Flat bottom		
				Height (mm)	Cat. No.	Price/box	Height (mm)	Cat. No.	Price/box
50	51	26	10	95	091884	N/A -	90	091894	N/A -
100	64	26	10	110	091882	N/A -	105	091895*	N/A -
250	85	34	10	144	091881	N/A -	138	091896	N/A -
500	102	34	10	168	091880*	N/A -	163	091897*	N/A -
1000	131	42	10	200	091876	N/A -	190	090364	N/A -
2000	166	42	10	260	091877*	N/A -	230	080572*	N/A -
3000	185	50	1	-	-	-	250	091898*	N/A -
4000	207	50	1	290	091885*	N/A -	275	080569*	N/A -
6000	236	51	1	355	091886*	N/A -	315	091375*	N/A -
10000	280	65	1	380	091887*	N/A -	360	091899*	N/A -
20000	345	76	1	515	091888	N/A -	-	-	-

* Not in accordance with ISO dimensions



DURAN® Round Flasks with Wide Neck



- Reinforced rim for round flasks with a neck diameter equal to or greater than 65 mm
- In DURAN® Borosilicate Glass
- With beaded rim / Round or flat bottom
- Complies with the DIN EN ISO 24450 standard

Vol. (ml)	Body ø (mm)	Neck ø (mm)	Units/box	Round bottom			Flat bottom		
				Height (mm)	Cat. No.	Price/box	Height (mm)	Cat. No.	Price/box
50	51	35	10	-	-	-	100	091900	N/A -
100	64	35	10	100	091878	N/A -	100	091901	N/A -
250	85	50	10	143	091889	N/A -	138	091902	N/A -
500	105	50	10	168	091890	N/A -	170	091903	N/A -
1000	131	65	10	-	-	-	190	091904	N/A -
2000	166	50	10	-	-	-	230	092048	N/A -
2000	166	76	10	260	090129	N/A -	230	092047	N/A -
4000	206	76	1	315	091892	N/A -	-	-	-
6000	236	89	1	355	091893	N/A -	-	-	-



DURAN® Glass Round flasks

Vol.	Socket 14/23		Socket 19/26		Socket 24/29		Socket 29/32		Socket 45/40		Socket 29/32 brown glass	
	Cat. No.	Price 10 units	Cat. No.	Price 10 units	Cat. No.	Price 10 units	Cat. No.	Price 10 units	Cat. No.	Price 10 units	Cat. No.	Price 10 units
5 ml	673450B	N/A -	-	-	-	-	-	-	-	-	-	-
10 ml	673451B	N/A -	-	-	-	-	-	-	-	-	-	-
25 ml	673452B	N/A -	673456B	N/A -	-	-	-	-	-	-	-	-
50 ml	673453B	N/A -	673457B	N/A -	673460B	N/A -	673466B	N/A -	-	-	673474B	N/A -
100 ml	673454B	N/A -	673364B	N/A -	673461B	N/A -	673365B	N/A -	-	-	673475B	N/A -
250 ml	673455B	N/A -	673458B	N/A -	673462B	N/A -	673366B	N/A -	673479B	N/A -	673476B	N/A -
500 ml	-	-	673459B	N/A -	673463B	N/A -	673368B	N/A -	673480B	N/A -	673477B	N/A -
1 l	-	-	-	-	673464B	N/A -	673369B	N/A -	673481B	N/A -	673478B	N/A -
2 l	-	-	-	-	673465B	N/A -	673467B	N/A -	673482B	N/A -	-	-
3 l	-	-	-	-	-	-	673468	N/A -	673483	N/A -	-	-
4 l	-	-	-	-	-	-	673469	N/A -	673484	N/A -	-	-
5 l	-	-	-	-	-	-	673470	N/A -	673485	N/A -	-	-
6 l	-	-	-	-	-	-	673471	N/A -	673486	N/A -	-	-
10 l	-	-	-	-	-	-	673472	N/A -	673487	N/A -	-	-
20 l	-	-	-	-	-	-	673473	N/A -	673488	N/A -	-	-



GLASSWARE

Round Flasks with Wide Neck



Cat. No.	Volume (ml)	Height (mm)	Body ø (mm)	Neck ø (mm)	Price
785632	250	90	85	75	N/A -
785633	500	115	105	75	N/A -
785634	700	135	103	100	N/A -
761832	1000	155	131	100	N/A -
761819	2000	185	166	100	N/A -
785635	3000	210	189	100	N/A -
785636	4000	225	207	100	N/A -
785637	5000	245	222	100	N/A -
991542	6000	260	236	100	N/A -
041275	10000	320	279	100	N/A -
761831	20000	380	345	100	N/A -



PETRI DISHES

The classics

In Borosilicate glass



Glass Petri Dishes



Borosilicate glass Petri dishes

Cat. No.	ø x H (mm)	Diameter Bottom (mm)	H with lid. (mm)	Units/box	Price/box
091715	60 x 20	54	22	10	N/A -
091999	80 x 20	74	22	10	N/A -
092000	100 x 15	94	17	10	N/A -
092001	100 x 20	94	22	10	N/A -
092002	120 x 20	114	22	10	N/A -
092003	150 x 26,50	143	32	10	N/A -

Soda-lime glass Petri dishes

Cat. No.	Lid outer ø x base height (mm)	Units/box	Price/box
092004	40 x 12	10	N/A -
092005	60 x 15	10	N/A -
092006	80 x 15	10	N/A -
092007	90 x 15	10	N/A -
092008	100 x 10	10	N/A -
091961	100 x 15	10	N/A -
092009	100 x 20	10	N/A -
092010	120 x 20	10	N/A -
092011	150 x 25	10	N/A -
092012	180 x 30	10	N/A -
092013	200 x 30	10	N/A -
092014	200 x 45	10	N/A -

Soda-lime glass

Glass Petri Dishes



Soda-lime glass Petri dishes. Excellent flatness.

Cat. No.	ø x H (mm)	Thickness (mm)	Units/box	Price/box
068515B	40 x 12	1.2	18	N/A -
068516B	50 x 12	-	18	N/A -
068517B	60 x 12	-	18	N/A -
001743B	60 x 15	-	30	N/A -
068519B	90 x 15	1.35	18	N/A -
001746B	100 x 15	-	36	N/A -
001747B	100 x 20	-	36	N/A -
068521B	120 x 20	-	18	N/A -
001749B	150 x 25	-	36	N/A -
001750B	180 x 30	-	6	N/A -
068523	200 x 30	1.5	10	N/A -

The variants

Borosilicate glass



Petri Dishes with Compartments



Number of compartments (mm)	ø x H = 100 x 15	ø x H = 100 x 20
1 compartment	092016	092017
Price/ box of 10	N/A -	N/A -
2 compartments	-	092018
Price/ box of 10	-	N/A -
3 compartments	-	092019
Price/ box with 10	-	N/A -
4 compartments	-	092020
Price/ box with 10	-	136.N/A -

In Soda-lime Glass

Petri Dishes with Counting Grid

- Soda-lime glass
- With white or blue counting grid

H. (mm)	Outer ø (mm)	White grid			Blue grid		
		Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
12	40	360154	40	N/A -	360166	40	N/A -
15	60	360155	30	N/A -	360167	30	N/A -
15	80	360156	36	N/A -	360168	36	N/A -
15	90	360157	32	N/A -	360169	32	N/A -
10	100	360158	36	N/A -	360170	36	N/A -
15	100	360159	36	N/A -	360171	36	N/A -
20	100	360160	36	N/A -	360172	36	N/A -
20	120	360161	72	N/A -	360173	72	N/A -
25	150	360162	36	N/A -	360174	36	N/A -
30	180	360163	6	N/A -	360175	6	N/A -
30	200	360164	6	N/A -	360176	6	N/A -
50	200	360165	6	N/A -	360177	6	N/A -



Glass crystallizing dishes in cordaline glass

- Soda-lime glass
- With a thick rim on the upper part to ensure very good solidity

Cat. No.	Capacity (ml)	Out. ø (mm)	Height (mm)	Price
001731B	100	80	40	N/A -
001733B	450	131	60	N/A -
001734B	1000	165	78	N/A -
001735B	1500	190	87	N/A -



DURAN® Borosilicate Glass Crystallizing Dishes



Volume (ml)	ø (mm)	Height (mm)	Units/box	With spout		Without spout	
				Cat. No.	Price/box	Cat. No.	Price/box
20	40	25	10	080468	N/A -	080478	N/A -
40	50	30	10	080469	N/A -	080479	N/A -
60	60	35	10	080470	N/A -	080480	N/A -
100	70	40	10	080471	N/A -	080481	N/A -
150	80	45	10	080472	N/A -	080482	N/A -
300	95	55	10	080473	N/A -	080483	N/A -
500	115	65	10	080474	N/A -	080484	N/A -
900	140	75	10	080475	N/A -	080485	N/A -
2000	190	90	10	080476	N/A -	080486	N/A -
3500	230	100	10	080477	N/A -	080487	N/A -



GLASSWARE

Mortars with glass pestle

Cat. No.	Volume (ml)	ø (mm)	Units/box	Price/box
360134	50	60	10	N/A -
360135B	100	80	24	N/A -
360136B	250	100	20	N/A -
360137	500	120	8	N/A -
360138	1000	150	6	N/A -
360139	2000	180	5	N/A -



MORTARS AND PESTLES

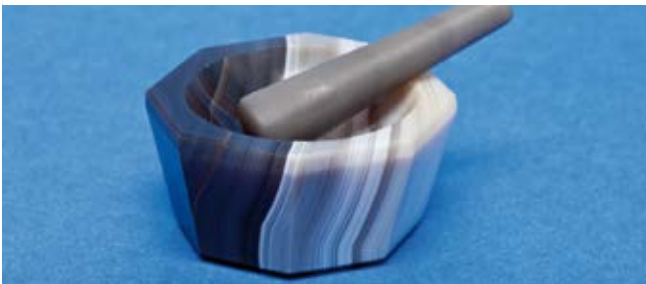
Agate Mortars, Pestles and Beads



Mortar and pestle

Cat. No.	Inner ø (mm)	Outer ø (mm)	Depth (mm)	Volume (ml)	Price
140870	35	40	10	5	N/A -
140871	82	100	25	70	N/A -
140872	100	120	30	140	N/A -
140873	110	130	33	150	N/A -
140874	125	150	38	200	N/A -
140875	128	160	39	275	N/A -

Agate Mortars and Pestles



Cat. No.	Inner ø (mm)	Depth (mm)	Tot. Height (mm)	Capacity (ml)	Pestle length (mm)	Price
068543B	50	14	26.5	15	59	N/A -
068544	61	20	32	29	72	N/A -
068545B	63	23	38	30	83	N/A -

Porcelain Mortars and Pestles



Mortars only			Smooth interior		Rough interior	
Capacity (ml)	Inner ø (mm)	Int. height (mm)	Cat. No.	Price	Cat. No.	Price
30	56	36	140619	N/A -	140631	N/A -
70	63	41	140620	N/A -	140632	N/A -
75	76	45	140621	N/A -	140633	N/A -
110	83	50	140622	N/A -	140634	N/A -
160	90	56	140623	N/A -	140635	N/A -
220	105	64	140624	N/A -	140636	N/A -
400	125	71	140625	N/A -	140637	N/A -
500	139	82	140626	N/A -	140638	N/A -
650	150	90	140627	N/A -	140639	N/A -
1000	180	104	140628	N/A -	140640	N/A -

Single pestles for porcelain mortars

Cat. No.	ø (mm)	Length (mm)	For mortars ø (mm)	Price
140643B	23	115	70, 81 and 91	N/A -
140644B	26	135	100 y 113	N/A -
140645B	37	150	125 y 144	N/A -
140646B	44	170	163	N/A -
140647	58	210	183	N/A -
140648	73	255	215	N/A -
140649	86	305	257	N/A -

Cryogenic mortar



Cryogenic mortar version

- Supplied without pestle
- Dimensions (ø x H): 16.5 x 11.4 cm
- Handle for removing stainless steel mortar
- Blue polyethylene bowl containing liquid nitrogen
- Suction cups for mortar stability

Mini Cryogenic mortar version

- Allows the grinding of small frozen tissue samples contained in a 1.5 ml microtube
- Supplied with a stainless steel pestle with a polyethylene handle and a handle for removing the mortar

Cat.No.	Description	Price
088763	Cryogenic mortar	N/A -
088767	Cryogenic Mini mortar	N/A -

Glass Dessicators

- ▶ GL32 Thread
- ▶ With PBT screw cap or PTFE needle valve
- ▶ Without porcelain plate

DN	Inn. Ø flange	Out. Ø flange	Height (mm)	Volume (l)	With cap	Price/box	With tap	Price/box
150	172	215	239	2.4	096329	N/A -	084616	N/A -
200	224	270	296	5.8	096330	N/A -	084617	N/A -
250	274	320	344	10.5	096331	N/A -	084618	N/A -
300	332	380	420	18.5	096332	N/A -	084619	N/A -



Soda-lime Glass Dessicators

- ▶ Transparent / For vacuum and non-vacuum applications
- ▶ Plates of varying diameters (150, 200, 250 or 300 mm)
- ▶ Without stopcock, with stopcock or with rotating sleeve valve

Cat. No.	Lid	Sealing ring	Plate	Plate Ø (mm)	Price	
360148	Tap	Yes	Without plate	150	N/A -	
360149			250	N/A -		
360151			Porcelain	250	N/A -	
360152			Metal	150	N/A -	
360153			250	N/A -		
360098			Without plate	150	N/A -	
360099		200	N/A -			
360100		250	N/A -			
360101		300	N/A -			
360102		150	N/A -			
360103		Porcelain	200	N/A -		
360104		250	N/A -			
360105		300	N/A -			
360106		150	N/A -			
360107		Metal	200	N/A -		
360108		250	N/A -			
360109		300	N/A -			
360110		Button	No	Without plate	150	N/A -
360111	200			N/A -		
360112	250			N/A -		
360113	300			N/A -		
360114	150			N/A -		
360115	Porcelain			200	N/A -	
360116	250		N/A -			
360117	300		N/A -			
360118	150		N/A -			
360119	Metal		200	N/A -		
360120	250		N/A -			
360121	300		N/A -			
360122	Rotary valve		No	Without plate	150	N/A -
360123				200	N/A -	
360124				250	N/A -	
360125		300	N/A -			
360126		150	N/A -			
360127		Porcelain	200	N/A -		
360128		250	N/A -			
360129		300	N/A -			
360130		Metal	150	N/A -		
360131	200		N/A -			
360132	250		N/A -			
360133	300		N/A -			



Components and accessories for dessicators

Cat. No.	Description	Ø (mm)	Price
360081	Knobbed lid	150	N/A -
360082		200	N/A -
360083		250	N/A -
360084		300	N/A -
360085	Lid with rotating sleeve valve	150	N/A -
360086		200	N/A -
360087		250	N/A -
360088	Tap	300	N/A -
360097		-	N/A -
360140		150	N/A -
360141	Desiccator bottom	200	N/A -
360142		250	N/A -
360143		300	N/A -
360144		150	N/A -
360145	Jar compatible with sealing ring	250	N/A -
360146		150	N/A -
360147	Sealing ring	250	N/A -
360089	Porcelain plate	150	N/A -
360090		200	N/A -
360091		250	N/A -
360092	Metal plate	300	N/A -
360093		150	N/A -
360094		200	N/A -
360095		250	N/A -
360096	300	N/A -	

Vacuum Grease

Cat. No.	Description	Price
069600	50 g Tube of vacuum grease	N/A -

High performance vacuum grease. 50 g Tube

- ▶ Does not evaporate
- ▶ Resistant to acids, alkalis and gases
- ▶ Can be used from -40 °C to +300 °C



Chromatography screw neck vials



- In borosilicate glass complying with USP TYPE I and ASTM type I class B
- Also available with a white ceramic marking area
- ND9 necked vials are compatible with most autosamplers
- Caps sold separately

Cat. No.	Vol. (ml)	ø x H (mm)	Neck	Colours	Marking area	Units/box	Price/box
096387	1.5	11.6 x 32	ND8	Transparent	No	100	N/A -
096389	1.5	11.6 x 32	ND8	Transparent	Yes	100	N/A -
096388	1.5	11.6 x 32	ND8	Amber	No	100	N/A -
096390	1.5	11.6 x 32	ND8	Amber	Yes	100	N/A -
096391	1.5	11.6 x 32	ND9	Transparent	No	100	N/A -
096392	1.5	11.6 x 32	ND9	Amber	No	100	N/A -
096395	4	14.7 x 45	ND13	Transparent	No	100	N/A -
096396	4	14.7 x 45	ND13	Amber	No	100	N/A -
096398	4	14.7 x 45	ND13	Amber	Yes	100	N/A -

Caps for ND8, ND9 and ND13 vials

Cat. No.	Neck	Cap Type	Colours	Seal	Units/box	Price/box
096434	ND8	With septum	Black	Silicone with red PTFE inner side	100	N/A -
096435	ND8	Pre-slit septum	Black	Silicone with red PTFE inner side	100	N/A -
096436	ND8	With septum	Black	Silicone with double-sided red PTFE	100	N/A -
096438	ND9	With septum	Blue	Silicone with red PTFE inner side	100	N/A -
096439	ND9	With septum	Blue	Silicone with double-sided red PTFE	100	N/A -
096440	ND9	Pre-slit septum	Blue	Silicone with blue PTFE inner side	100	N/A -
096445	ND9	With septum	Blue	Red rubber with white PTFE inner side	100	N/A -
096441	ND9	With septum	White	Red rubber with clear PTFE inner side	100	N/A -
096442	ND9	With septum	White	Silicone with red PTFE inner side	100	N/A -
096443	ND9	With septum	White	Silicone with double-sided red PTFE	100	N/A -
096444	ND9	Pre-slit septum	White	Silicone with blue PTFE inner side	100	N/A -
096446	ND13	With septum	Black	Red rubber with clear PTFE inner side	100	N/A -
096447	ND13	With septum	Black	Silicone with red PTFE inner side	100	N/A -

Chromatography Crimp Top Vials



- In borosilicate glass complying with USP TYPE I and ASTM type I class B
- Also available with a white ceramic marking area
- 40% wider septum opening to reduce the risk of needle damage in autosamplers
- Caps sold separately

Cat. No.	Vol. (ml)	ø x H (mm)	Neck	Colours	Marking area	Units/box	Price/box
096369	1.5	11.6 x 32	ND11	Transparent	No	100	N/A -
096371	1.5	11.6 x 32	ND11	Transparent	Yes	100	N/A -
096370	1.5	11.6 x 32	ND11	Amber	No	100	N/A -
096372	1.5	11.6 x 32	ND11	Amber	Yes	100	N/A -

Caps ND11 for Crimp Top Vial

Cat. No.	Neck	Type of cap	Colours	Seal	Units/box	Price/box
096415	ND11	With septum	Silver	Silicone with red PTFE inner side	100	N/A -
096416	ND11	With septum	Silver	Silicone with double-sided red PTFE	100	N/A -
096417	ND11	With septum	Silver	Red rubber with clear FEP inner side	100	N/A -
096418	ND11	With septum	Silver	Red rubber with clear PTFE	100	N/A -
096419	ND11	With septum	Silver	Red rubber with white PTFE	100	N/A -

Chromatography vials with snap caps

- In borosilicate glass complying with USP TYPE I and ASTM type I class B
- Also available with a white ceramic marking area
- Recommended for HPLC applications only
- It is not advisable to use pressurised snap cap vials
- 40% wider opening to reduce the risk of needle damage in autosamplers
- Snap caps are sold separately and do not require a crimper or bottle opener

Cat. No.	Vol. (ml)	ø x H (mm)	Neck	Colours	Marking area	Units/box	Price/box
096405	1.5	11.6 x 32	ND11	Transparent	No	100	N/A -
096407	1.5	11.6 x 32	ND11	Transparent	Yes	100	N/A -
096406	1.5	11.6 x 32	ND11	Amber	No	100	N/A -
096408	1.5	11.6 x 32	ND11	Amber	Yes	100	N/A -



Caps for ND11 Snap Cap Vials

Cat. No.	Neck	Composition	Cap Type	Seal	Units/box	Price/box
096415	ND11	Aluminium	With septum	Silicone with red PTFE inner side	100	N/A -
096416	ND11	Aluminium	With septum	Silicone with double-sided red PTFE	100	N/A -
096417	ND11	Aluminium	With septum	Red rubber with clear FEP inner side	100	N/A -
096418	ND11	Aluminium	With septum	Red rubber with clear PTFE inner side	100	N/A -
096419	ND11	Aluminium	With septum	Red rubber with white PTFE inner side	100	N/A -
096430	ND11	PP	With septum	Red rubber with clear PTFE inner side	100	N/A -
096431	ND11	PP	With septum	Silicone with red PTFE inner side	100	N/A -
096432	ND11	PP	Pre-slit septum	Silicone with blue PTFE inner side	100	N/A -
096433	ND11	PP	With septum	Silicone with double-sided red PTFE	100	N/A -

Volume reduction inserts for DN8, ND9 and ND11 necked flasks

Cat. No.	Shape	ø x H (mm)	Volume (ml)	Units/box	Price/box
096413	Conical	6 x 31	0.1	100	N/A -
096414	Flat bottom	6 x 31	0.2	100	N/A -

Wide neck Chromatography Flasks

- In borosilicate glass complying with USP TYPE I and ASTM type I class B
- Also available with a white ceramic marking area
- Available with round or flat bottoms and with crimped or bevelled necks
- Round-bottomed flasks recommended for high temperature applications
- Thicker glass (1.2 mm) than a conventional chromatography vial (0.9 mm)
- Standard, magnetic or pressure relief plug to keep internal pressure below 3 bar



Caps for ND20 vials

Cat. No.	Neck	Cap Type	Colours	Seal	Units/box	Price/box
096420	ND20	Standard with A septum	Silver	Grey butyl with natural PTFE inner side	100	N/A -
096422	ND20	Standard with A septum	Silver	Black Butyl	100	N/A -
096424	ND20	Standard with A septum	Silver	Blue silicone with white PTFE inner side	100	N/A -
096427	ND20	Standard with A septum	Silver	Grey butyl with inner side Natural PTFE (PharmaFix)	100	N/A -
096421	ND20	Decompression with A septum	Silver	Grey butyl with natural PTFE inner side	100	N/A -
096423	ND20	Decompression With A Septum	Silver	Black Butyl	100	N/A -
096425	ND20	Decompression with A septum	Silver	Blue silicone with white PTFE inner side	100	N/A -
096426	ND20	Decompression with A septum	Silver	Grey butyl with inner side Natural PTFE (PharmaFix)	100	N/A -
096428	ND20	Magnetic with A septum	Golden	Grey butyl with inner face Natural PTFE	100	N/A -
096429	ND20	Magnetic with A septum	Golden	Blue silicone with white PTFE inner side	100	N/A -

Cat. No.	Vol. (ml)	ø x H (mm)	Neck	Shape	Marking area	Units/box	Price/box
096373	5	22 x 38.5	ND20	Round bottom, bevelled neck	No	100	N/A -
096374	5	22 x 38	ND20	Flat bottom, bevelled neck	No	100	N/A -
096375	5	20 x 38	ND20	Flat bottom, crimped neck	No	100	N/A -
096376	10	22.5 x 46	ND20	Round bottom, crimped neck	No	100	N/A -
096377	10	22.5 x 46	ND20	Flat bottom, long crimped neck	No	100	N/A -
096378	10	20 x 54.5	ND20	Flat bottom, crimped neck	No	100	N/A -
096379	20	22.75 x 75.5	ND20	Flat bottom, long crimped neck	No	100	N/A -
096380	20	22.75 x 75.5	ND20	Round bottom, long crimped neck	No	100	N/A -
096381	20	22.75 x 75.5	ND20	Round bottom, bevelled neck	No	100	N/A -
096382	20	22.75 x 75.5	ND20	Round bottom, bevelled neck	Yes	100	N/A -

Chromatography Vials



Crimp Vials

Cat. No.	Volume (ml)	Colour	For cap type	Units/box	Price/box
050508	1.5	Transparent	E-Z Aluminium, 11 mm	1000	N/A -

E-Z vials

Cat. No.	Vol. (ml)	Colour	For cap type	Units/box	Price/box
050509	1.8	Transparent	E-Z Aluminium, 11 mm	1000	N/A -
050512	1.8	Transparent	E-Z Aluminium + Snap-On, 11 mm	1000	N/A -

Insert for volume reduction

Cat. No.	Description	Units/box	Price/box
050513	Glass insert, flat bottom for tube 050512	1000	N/A -

Aluminium E-Z caps, ABC screw-on and Snap-on

Cat. No.	Description	Price 1000 units
050510	E-Z cap with PTFE seal 0.002 / red rubber liner 0.038	N/A -
050511	E-Z cap with PTFE seal 0.002 / silicone liner 0.038	N/A -
050514	Snap-on cap, natural with seal PTFE 0.002 / red rubber septa 0.038	N/A -
050515	Snap-on cap, natural with seal PTFE 0.002 / silicone septa 0.038	N/A -
050517	ABC cap with blue PTFE seal 0.005 / silicone 0.035	N/A -

Glass vials and ABC caps

Chromatography vials in clear or amber borosilicate glass. \emptyset x H: 12 x 32 mm. Open screw cap in polypropylene with PTFE / silicone septum.

Cat. No.	Vol. (ml)	Colour	Writing area	For cap type	Units/box	Price/box
050516*	1.8	Transp.	No	ABC screw-in, 9 mm	1000	N/A -

* this reference is sold without a cap.

Standard Crimp vials

- ▶ \emptyset x H: 12 x 32 mm
- ▶ Borosilicate glass type 1
- ▶ For use with 11mm aluminium E-Z caps

Glass vials and ABC caps

- ▶ \emptyset x H: 12 x 32 mm
- ▶ Wide opening
- ▶ Borosilicate glass Type 1
- ▶ For use with ABC 9mm screw caps

Plastic and glass vials with insert

- ▶ \emptyset x H: 12 x 32 mm
- ▶ Made of thermoplastic polymer
- ▶ Borosilicate glass Insert 0.1 ml type 1
- ▶ Screw caps type 8-425

LVI vials

- ▶ \emptyset x H: 12 x 32 mm
- ▶ Borosilicate glass type 1
- ▶ With 300 μ l insert
- ▶ Marking area
- ▶ For use with ABC 9mm screw caps or 11mm crimp caps

E-Z vials

- ▶ \emptyset x H: 12 x 32 mm
- ▶ Wide opening
- ▶ Borosilicate glass type 1
- ▶ For use with Aluminium E-Z caps (050509) and 11mm Snap-on caps (050512)

LVI vials

Cat. No.	Vol. (ml)	Colour	For cap type	Units/box	Price/box
050518	0.3	Transparent	E-Z Aluminium, 11 mm	100	N/A -
050519	0.3	Amber	E-Z Aluminium, 11 mm	100	N/A -
050523	0.3	Transparent	ABC screw-in, 9 mm	100	N/A -
050524	0.3	Amber	ABC screw-in, 9 mm	100	N/A -

Packs: LVI vials + ABC caps

Cat. No.	Description	Price 100 units
050521	LVI transparent tube + screw cap ABC 9 mm, with red PTFE seal 0.005 / silicone 0.035	N/A -

Plastic and glass vial with insert

Cat. No.	Vol. (ml)	Colour	For cap type	Units/box	Price/box
050522	0.1	Transparent	Snap-On, 11 mm	100	N/A -

Straight-necked Chromatography Flasks

- In borosilicate glass complying with USP TYPE I and ASTM type I class B
- Supplied with separately packed polyethylene caps



Cat. No.	Volume (ml)	ø x H (mm)	Colours	Units/box	Price/box
096399	1	8.1 x 40	Transparent	100	N/A -
096401	2	11.6 x 31.5	Transparent	100	N/A -
096403	4	14.7 x 44.5	Transparent	100	N/A -
096400	1	8.1 x 40	Amber	100	N/A -
096402	2	11.6 x 31.5	Amber	100	N/A -
096404	4	14.7 x 44.5	Amber	100	N/A -

Snap-top flasks in soda-lime glass

- Made of soda lime glass, USP type III compliant
- Supplied with LDPE snap caps



Cat. No.	Vol. (ml)	Neck	ø x H (mm)	Colours	Units/box	Price/box
096384	10	ND18	22 x 45	Transparent	200	N/A -

Scintillation Chromatography Vials

- In borosilicate glass according to USP TYPE I and ASTM type I class A
- Supplied with polypropylene or urea cap
- PP caps consisting of a seal composed of an aluminium disc and a cellulose pulp disc, ideal for applications involving hydrocarbons, oils, ketones or alcohols
- Urea caps made of a conical PE ring with excellent sealing properties



Cat. No.	Vol. (ml)	ø x H (mm)	Colours	Cap Material	Units/box	Price/box
096409	20	27.5 x 57.5	Transparent	PP	500	N/A -
096410	20	27.5 x 57.5	Transparent	Urea	500	N/A -
096411	20	27.5 x 61 (with cap)	Transparent	PP	500	N/A -
096412	20	27.5 x 61 (with cap)	Transparent	Urea	500	N/A -

Duran® NMR tubes

- Either borosilicate glass 3.3 or 5.1
- High quality
- Downloadable certificate
- Diameter 5 mm
- Length 178 mm

Cat. No.	Version	Frequency (MHZ)	Units/box	Price/box
096344	Economical - borosilicate glass 5.1	100	100	N/A -
083369	Economical - borosilicate glass 3.3	300	250	N/A -
083877	Professional - borosilicate glass 3.3	400	250	N/A -
083878	Scientific - borosilicate glass 3.3	500	5	N/A -

Accessory

Cat. No.	Description	Price
096345	Brush for NMR tube	N/A -



Boxes with Lid



Cat. No.	Ø x H (mm)	Approx. vol. (ml)	Units/box	Price/box
080512	60 x 40	75	10	N/A -
080513	80 x 50	175	10	N/A -
080514	100 x 60	325	10	N/A -
080515	150 x 80	1000	10	N/A -

Lightweight Weighing Bottles

- In Pyrex® glass, complies with DIN 12605
- Large marking area
- With ground neck to ensure a tight seal



Cat. No.	Volume (ml)	Ø (mm)	Height (mm)	Price
761627	8	25	40	N/A -
761630	10	35	30	N/A -
761628	20	30	50	N/A -
761633	20	50	30	N/A -
761629	25	30	60	N/A -
761631	40	35	70	N/A -
761632	60	40	80	N/A -
761634	100	50	80	N/A -

Weighing bottles

With interchangeable NS stopper



Cat. No.	Ø x H (mm)	Neck (NS)	Shape	Price
724351B	20 x 40	19/12	High	N/A -
724352B	25 x 40	24/12	High	N/A -
724353B	30 x 50	29/12	High	N/A -
724354B	35 x 50	34/12	High	N/A -
724355B	40 x 50	40/12	High	N/A -
724356B	40 x 65	40/12	High	N/A -
724357B	35 x 70	34/12	High	N/A -
724358B	40 x 80	40/12	High	N/A -
724359B	50 x 80	50/12	High	N/A -
724360B	25 x 25	24/12	Low	N/A -
724361B	40 x 25	40/12	Low	N/A -
724362B	35 x 30	34/12	Low	N/A -
724363B	50 x 30	50/12	Low	N/A -
724364B	60 x 30	60/12	Low	N/A -
724365B	80 x 30	80/12	Low	N/A -

- In Duran® Glass
- With lapped seal and white inscription area

With interchangeable NS cap



Cat. No.	Ø x H (mm)	Neck (NS)	Shape	Price
724366B	30 x 30	34/12	Low	N/A -
724367B	38 x 35	40/12	Low	N/A -
724368B	48 x 35	50/12	Low	N/A -
724369	75 x 35	80/12	Low	N/A -
724370B	30 x 50	34/12	Medium	N/A -
724371B	38 x 50	40/12	Medium	N/A -
724372B	48 x 50	50/12	Medium	N/A -
724373	75 x 50	80/12	Medium	N/A -
724374B	30 x 70	34/12	High	N/A -
724375B	38 x 70	40/12	High	N/A -
724376B	48 x 70	50/12	High	N/A -
724377	75 x 95	80/12	High	N/A -

Glass Separating Chamber

Glass Separating Chamber, with or without internal grooves, for maintaining thin-layer chromatography plates for any staining application in a large glass chamber

- With groove
- Knobbed lid

Cat.No.	Groove	CCM Plates size (mm)	Price
349301B	Yes	200 x 200	N/A -



General Purpose Dish



- Made of Pyrex® borosilicate glass
- Can be autoclaved or used in a microwave
- Ideal for many applications: electrophoresis gels, dissection trays, work in a fume hood, etc.

Cat.No.	Capacity (ml)	L x W x H (mm)	Price
212561A	2000	228 x 215 x 60	N/A -
212560A	2000	262 x 199 x 57	N/A -
212562A	3500	312 x 232 x 55	N/A -
212563A	4500	366 x 266 x 55	N/A -

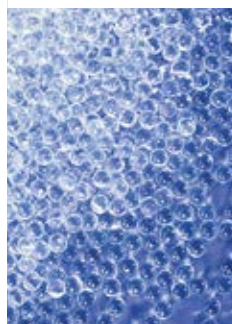
Glass jars



- Soda-lime glass
- Ground edges
- Thick-walled

Cat. No..	L x W x H (mm) jars	Price
900557	100 x 100 x 100	N/A -
900558	150 x 100 x 100	N/A -
900559	150 x 100 x 150	N/A -
900560	200 x 100 x 100	N/A -
900561	250 x 180 x 220	N/A -
900562	300 x 160 x 160	N/A -
900563	300 x 220 x 240	N/A -
900564	360 x 230 x 260	N/A -

Glass beads



Surface-hardened soda-lime glass beads.

Cat. No..	Ø (mm)	Price bag of 1 kg
068499	1	N/A -
068500	2	N/A -
068501	3	N/A -
068502	4	N/A -
068503	5	N/A -
068504	6	N/A -
068505	8	N/A -
068555	10	N/A -

Glass with Stable Base



- Soda-lime glass
- High thickness
- Heavy base for high stability
- Moulded gradations
- Spout

Cat. No.	Capacity (ml)	Base Ø (mm)	Upper Ø (mm)	Tot. Height. (mm)	Units/box	Price/box
001738B	60	60	60	105	1	N/A -
001739B	125	65	90	115	1	N/A -
001740B	250	80	100	145	1	N/A -
001741B	500	100	130	190	1	N/A -

Watch glasses



- Soda-lime glass
- Re-burned rims
- Constant thickness

Cat.No.	Ø (mm)	Units/box	Price/box	Cat.No.	Ø (mm)	Units/box	Price/box
001751C	40	10	N/A -	001756C	100	10	N/A -
001752C	50	10	N/A -	001757B	120	10	N/A -
001753C	60	10	N/A -	001758B	140	10	N/A -
001754C	70	10	N/A -	001759B	160	10	N/A -
001755C	80	10	N/A -				

Soda-lime Glass Dressing Jars



Soda-lime Glass Dressing Jars.
With loosely overlapping glass cover with knobbed lid

Cat.No.	Height (mm)	Ø (mm)	Price
140689	100	100	N/A -
140690	120	120	N/A -
140691	150	150	N/A -
140692	200	200	N/A -

Sprayers for CCM



- Connection between the spray head and the with a screw ring with seal
- Autoclavable
- Minimum pressure 0.07 kg/cm² (1 psi)
- Optimum pressures between 0.21 - 0.35 kg/cm² (3-5 psi)

Cat. No.	Vol. (ml)	Seal	H x Ø (mm)	Price
290249	25	19/22	147 x 40	N/A -
057514	50		174 x 50	N/A -
290250	125		204 x 65	N/A -
045654	250	24/40	229 x 85	N/A -
290251	500		273 x 105	N/A -

