



LABC
LABORTECHNIK

Caps & Vials



Catalogue no.:
150_V05

LABC-Labortechnik GmbH



LABC SAS



LABC-Labortechnik Zillger KG



Network of distributors



Caps & Vials

In this catalogue you will find an overview of our range in the areas of vials, caps and septa.

If you cannot find the product you are looking for we will be happy to help you.

Your team at LABC-Labortechnik

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§27a Value Added Tax Act)

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Catalogue 150_ V05

Our service

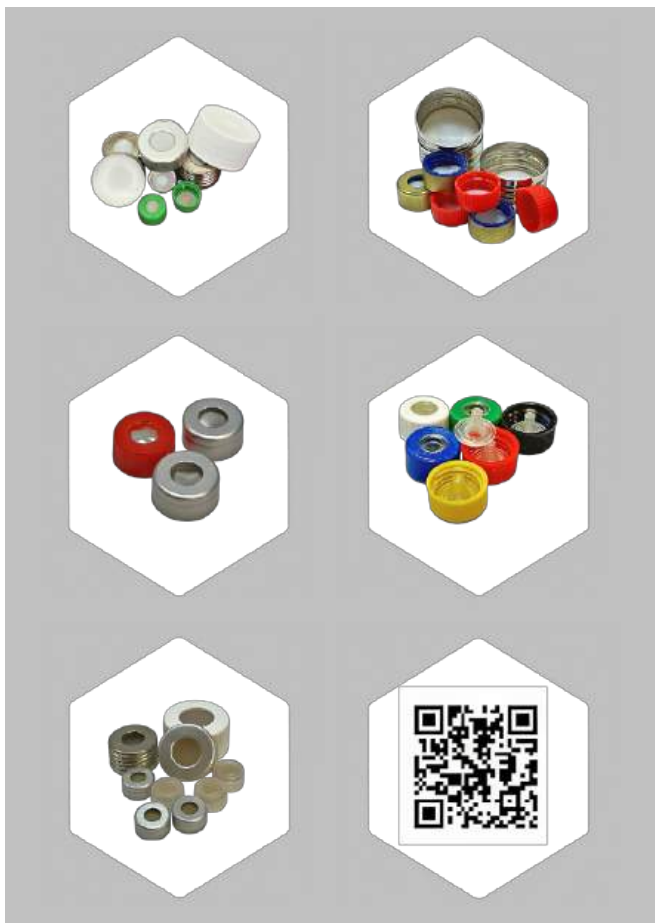
- If you **have any questions by telephone**, please do not hesitate to available
- We will gladly take the **time** to **advise** you in detail
- We will gladly send you further **information**
- Many more **products** and **information** also available at:
www.LABC.de

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Chromatography with ZeroSept® by LABC

Interference-free chromatography with ZeroSept® .
As if the needle had never pierced a septum.



VMAX

Optimised residual emptying for each vial



- VMAX - Microvial stands without support
- with optimised residual emptying
- Ideal for automated sample preparation
- Residual volume approx. $\leq 7 \mu$



Microlitre vials

Microlitre vials in classic 32x12mm design compatible with all common GC and HPLC systems.



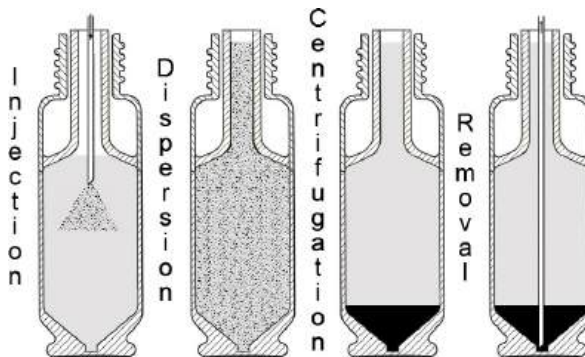
bilimex® - Dispersive Liquid-Liquid-Microextraction

With DLLME, the desired analyte is extracted from aqueous solutions using a small amount of organic solvent and concentrated at the same time. The procedure is usually carried out using centrifuge tubes with the aid of a solvent that is heavier than water. TheLABC.Labortechnik has developed products for the DLLME, with the help of which the concentration

1. with solvents that are both heavier and lighter than water
2. which are suitable for automated sample preparation with the aid of standard autosamplers.

The products are summarised in the bilimex® range.

- Injecting solvents
- Dispersing e.g. by shaking
- Centrifuge to create the phase separation
- Sampling using a microlitre syringe



The individual steps differ slightly depending on the sample matrix and the analytes to be extracted. A detailed description of the test procedure can be found in the bilimex® flyer.



Spektrallampen

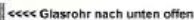
Deuterium-Lampen(D2),
L2D2-Lampen, Halogen-, Xenon-
und Wolframlampen



Yeti Spritzenfilter

- die preiswerte Alternative

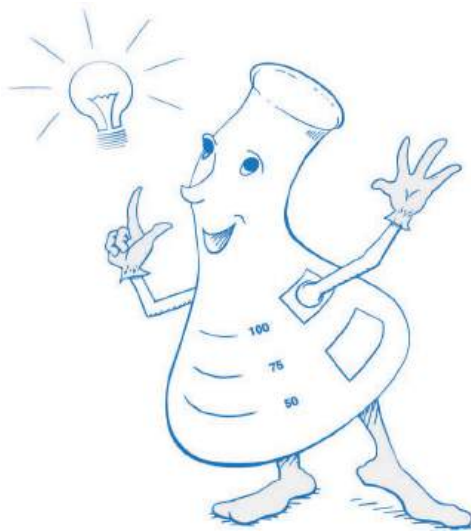




In a handy, larger glass tube there is a firmly integrated glass vial with thread.



ND 9



Our top products - high quality made in Germany

ZeroSept® by LABC



ZeroSept® closures are innovative, high-purity and high-quality closures for trace analysis. Only absolutely pure septa, i.e. septa that are as free of blank values as possible, are labelled "ZeroSept®".

StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

pp-Pure-Vial - polypropylene vial for sample volumes from 100 - 700 µl



Vial made of plasticiser-free polypropylene. Plasticiser free! The inner shape of the vial with optimised residual volume emptying is ideal for sampling small volumes and allows universal work in the range from 100 to 700 µl sample volume.

Due to the high base, it is possible to work with very small lumens and, depending on the needle geometry, the effective non-injectable volume can be extremely small.

1.2 ml V μ -Vial our "Vase-Vial"



The vial or V μ vial can hold the largest volume. It holds 1.2 ml up to the shoulder and 15 μ l at the base. As the vial is the most favourable solution in terms of price, we recommend this version for all work up to a residual volume of 15 μ l.

250 μ l insert vial - ideal for volatile samples and microreactions



The insert is integrated into the body of a 2 ml vial, the insert is sealed directly. This creates a directly sealed sample chamber of 250 μ l, making the iV2 μ vial suitable for use with volatile samples, as no sample vapour can escape into the cavity between the vial and insert.

μ -Vial with integrated 350 μ l insert

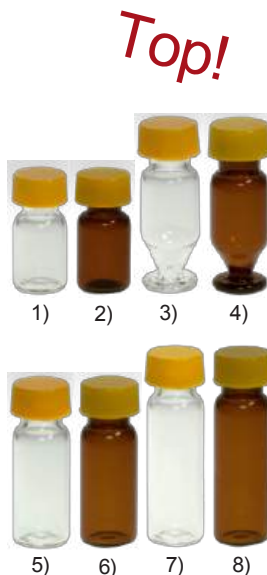


Microvial with a fused insert that forms a common base with the outer vial. In terms of functionality, it is the same as when a loose insert is used, except that the insert of the μ -Vial is firmly connected to the outer vial, fits securely into the opening of the vial and stands upright. The total volume is 350 μ l and the base volume is 10 μ l.

StorageVialBox with closed screw cap

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0585781	KG	1.0 ml	24 mm	12 mm	1)
120-0585798	BG				2)
120-0585811	KG	1.2 ml	32 mm	12 mm	3)
120-0585804	BG				4)
120-0585828	KG	1.5 ml	32 mm	12 mm	5)
120-0585835	BG				6)
120-0671569	KG	2.0 ml	43 mm	12 mm	7)
120-0671576	BG				8)
120-0671583	KG	assorted, height: 24 mm, 32 mm Vµ- Vial, 32mm			
120-0671590	BG				

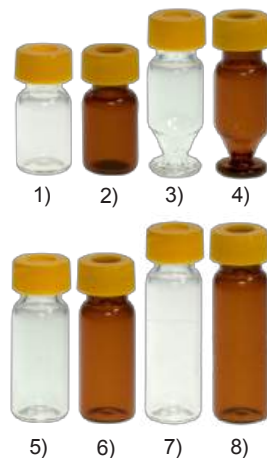
Glued-in PTFE coated
PE foam sealing insert and an 8-425 thread PU = 100
pcs. in cardboard box,
Caps available in 6 colours!



StorageVialBox with one screw hole cap

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0668439	KG	1.0 ml	24 mm	12 mm	1)
120-0671606	BG				2)
120-0671613	KG	1.2 ml	32 mm	12 mm	3)
120-0585606	BG				4)
120-0671620	KG	1.5 ml	32 mm	12 mm	5)
120-0671637	BG				6)
120-0671651	KG	2.0 ml	43 mm	12 mm	7)
120-0671644	BG				8)
120-0671668	KG	assorted, height: 24 mm, 32 mm Vµ- Vial, 32 mm			
120-0671675	BG				

1.6mm silicone/PTFE septum and an 8-425 thread PU =
100 pcs. in cardboard box,
Caps available in 6 colours!



Short thread bottles

Ideal for all common autosamplers, preferably for Agilent, HTA, Shimadzu, Thermo Scientific, Varian, Waters®

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0588973	KG	1.5 ml	< 120 µl	32 mm	12 mm		1)
120-0588980	KG	1.5 ml	< 120 µl	32 mm	12 mm	write-on patch, Filling mark	2)
120-0588966	BG	1.5 ml	< 120 µl	32 mm	12 mm	write-on patch, Filling mark	3)
120-0588997	KG	0.2 ml	< 1 µl	32 mm	12 mm	with integrated 0.2 ml micro-insert, writing field, filling marker	4)
120-0589000	BG	0.2 ml	< 1 µl	32 mm	12 mm	with integrated 0.2 ml micro-insert, writing field, filling marker	5)
120-0589031	KG	0.3 ml	< 1 µl	32 mm	12 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	6)
120-0884914	BG	0.3 ml	< 3 µl	32 mm	12 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	7)
120-0589048	KG	0.9 ml	< 1 µl	32 mm	12 mm	Total microlitres short winch bottle	8)
120-0738545	KG	1.1 ml	< 15 µl	32 mm	12 mm	Mikrolitre short thread vial	9)
120-0884969	BG	1.1 ml	<15 µl	32 mm	12 mm	Mikrolitre short thread vial	

PU = 100 pcs in PP box



Top!

pp-Pure Vial

pp-Pure-Vial - Polypropylene vial for sample volumes from 100 µl - 700 µl Vial made of specially pure polypropylene. Agilent-compatible screw cap, universally applicable.

Item no:	Volume:	Rest:	Height:	Ø:
120-0460002	700 µl	< 80 µl	32 mm	12 mm

PU = 250 pcs in PET can with screw cap



Plastic micro bottles

Item no:	Material:	Volume:	Rest:	Height:	Ø:	
120-0189354	PP, transparent	1.5 ml	< 110 µl	32 mm	11.6 mm	1)
120-0884990	PP, brown	1.5 ml	< 110 µl	32 mm	11.6 mm	2)
120-0885003	PP, transparent	0.7 ml	< 80 µl	32 mm	11.6 mm	3)
120-0885010	PP, transparent	0.3 ml	< 4 µl	32 mm	11.6 mm	4)

PU = 100 pcs in PP box



Finishing options:



- Barcode label
- Barcode laser printing
- Barcode with numbering
- silanise
- sterile
- sterile & pyrogen-free



Detailed information and article numbers can be found from page 121 onwards.



ND9 - Screw Neck Vials

V_μ-Vial "Vase-Vial"

Agilent compatible, with integrated residual emptying

Top!

Item no:	KG/BG:	Info:	Volume:	Rest:	Height:	Ø:	
120-0455855	KG		1.2 ml	< 15 µl	32 mm	12 mm	1)
120-0455787	BG		1.2 ml	< 15 µl	32 mm	12 mm	2)
120-0455794	BG	lightproof coating	1.2 ml	< 15 µl	32 mm	12 mm	3)
120-0670081	KG	incl. screw cap and pigment-free ms-Pure silicone/PTFE septum	1.2 ml	< 15 µl	32 mm	12 mm	4)
120-0670074	BG		1.2 ml	< 15 µl	32 mm	12 mm	5)

PU = 500 pcs in PP box



Insert vial

Slim, directly closable insert, ideal for volatile samples and microreactions, Agilent compatible

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0455831	KG	250 µl	8 µl	32 mm	12 mm	1)
120-0455763	BG					2)

PU = 500 pcs in PP box



µ-Vial

Microvial with fused 350 µl insert

Top!

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0314763	KG	350 µl	10 µl	32 mm	12 mm	1)
120-0455756	BG					2)

PU = 500 pcs in PP box



ZeroSept® PTFEmono are closures consisting of a pure PTFE septum. The thin PTFE film is inserted into the closure in a single layer. It is not held in place by an O-ring and is therefore less leak-proof than mono-O versions. ZeroSept® PTFEmono are available in the following versions. Special sizes not listed are available on request.

ND9 ZeroSept® PTFEmono PP threaded closure:

PP screw cap with PTFE film virginal

- Moderate sealing and resealing properties
- only recommended for non-critical HPLC applications
- frequently used at Merck/Hitachi and Waters

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)	Picture
120-0590853	0,25	6	blue	1
120-0591065	0,25	6	yellow	2
120-0591089	0,25	6	green	3
120-0591096	0,25	6	red	4
120-0591072	0,25	6	black	5
120-0590990	0,25	6	Transparent	6
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal				



ND9 LABC-ZeroSEPT® PTFE mono PP threaded cap, magnetic:

PP screw cap with PTFE film virginal

- Moderate sealing and resealing properties
- only recommended for non-critical HPLC applications
- for CTC autosampler
- in the design of an aluminium flanged cap; therefore also suitable for robot gripper arms

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)
120-0891967	0,25	6	gold
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



ND9 - ZeroSept

ZeroSept® FUN are high-purity septumless funnels (inner funnel) ND9 short thread cap is ideal for precise analyses. Even with multiple punctures, the innovative FUNnel ensures that the sample remains in the vial. The PP short thread cap is supplied with an inert and plasticiser-free funnel-shaped polypropylene sealing element.

ND9 - ZeroSept® FUN

ZeroSept® FUN is very inert and resistant to most chemicals. The very thin membrane for piercing is easy to pierce with all standard syringes. Puncturing polypropylene does not generate any particles and allows it to be used in a wide temperature range from -0 °C to 100 °C.

ZeroSept® FUN is recommended for Pfas analyses, for example

Item no:	Cap colour:	Membrane:	Hole Ø:
120-0402712	white	1.7 mm	6 mm
120-0341318	blue	1.7 mm	6 mm
120-0341325	red	1.7 mm	6 mm
120-0341288	black	1.7 mm	6 mm
120-0341301	green	1.7 mm	6 mm
120-0341189	yellow	1.7 mm	6 mm



ZeroSept® ALUmono-O are closures consisting of a pure aluminium septum held by an O-ring. The septum is held in the cap by an O-ring. This prevents it from falling out of the cap and ensures greater tightness. Aluminium is very inert and highly pure.

ND9 ZeroSept® ALUmono-O - Closure:

ND9 PP short threaded cap with aluminium septum

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)
120-0644556	0,06	6	blue
120-0885119	0,06	6	Transparent
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



Packaging:

All ZeroSept® closures are supplied in a jar. The jar is sealed with a PP screw cap with an integrated PTFE-laminated seal. A clean aluminium foil is also packed between the lid and the closure to ensure that the septa reach the customer free from environmental influences and plasticisers from the packaging, for example. The aluminium foil also stabilises the closures and prevents the septa from opening during transport.

solve.



ND9 - ZeroSept

ZeroSept® SILP are high-purity silicone closures. Our silicone is a new and particularly clean mixture and ensures low-interference measurements. The silicone septa are laminated with a PTFE barrier film. At 38° Shore, the septum is also very soft.

ND9 ZeroSept® SILP closure:

ND9 PP short threaded cap with silicone natural / PTFE colourless (ultra-pure)

- Very soft
- Ideal for inorganic analysis
- Low in alcohol
- tempered and elaborately washed

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)	Picture
120-0891028	1,2	6	blue	1
120-0916257	1,2	6	yellow	2
120-0891035	1,2	6	green	3
120-0916226	1,2	6	red	4
120-0916233	1,2	6	black	5
120-0890106	1,2	6	Transparent	6
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal				



ND9 ZeroSept® SILP magnetic closure:

ND9 PP short threaded cap, magnetic, with silicone natural /PTFE colourless (ultra-pure)

- Very soft
- Ideal for inorganic analysis
- Low in alcohol
- tempered and elaborately washed
- for CTC autosampler
- in the design of an aluminium flanged cap; therefore also suitable for robot gripper arms

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)
120-0891080	1,2	6	gold
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



PP screw hole cap - natural rubber (red-orange)/TEF (transparent)

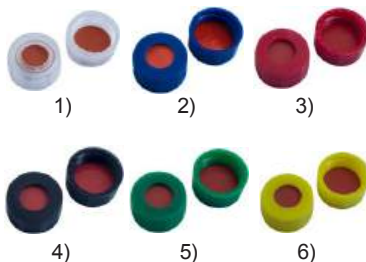
Ideal for multiple injections

Temperature range: -40 °C - 120 °C

60° shore A

Item no:	Cap colour:	Thicknes s:	Hole Ø:	
120-0590860	Transparent	1.0 mm	6 mm	1)
120-0590808	blue	1.0 mm	6 mm	2)
120-0590822	red	1.0 mm	6 mm	3)
120-0590839	black	1.0 mm	6 mm	4)
120-0590815	green	1.0 mm	6 mm	5)
120-0590792	yellow	1.0 mm	6 mm	6)

PU = 100 pcs. in PE bag



PP screw hole cap - silicone (white)/PTFE (red)

Ideal for critical analyses, recommended for single injections

Temperature range: -60 °C - 200 °C

55° shore A

Item no:	Cap colour:	Thicknes s:	Hole Ø:	Special feature:	
120-0590877	Transparent	1.0 mm	6 mm		1)
120-0004763	blue	1.0 mm	6 mm		2)
120-0590907	red	1.0 mm	6 mm	UltraClean	3)
120-0590761	black	1.0 mm	6 mm	UltraClean	4)
120-0590723	green	1.0 mm	6 mm	UltraClean	5)
120-0590716	yellow	1.0 mm	6 mm	UltraClean	6)

PU = 100 pcs. in PE bag



ND9 - Screw hole caps/septa

PP screw hole cap - RedRubber/PTFE (beige)

Purity comparable to silicone, recommended for single injections

Temperature range: -40 °C - 150 °C

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0591003	Transparent	1.0 mm	6 mm	1)
120-0591010	blue	1.0 mm	6 mm	2)
120-0591027	red	1.0 mm	6 mm	3)
120-0591034	black	1.0 mm	6 mm	4)
120-0591041	green	1.0 mm	6 mm	5)
120-0591058	yellow	1.0 mm	6 mm	6)

PU = 100 pcs. in PE bag



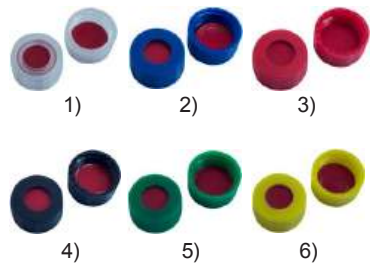
PP screw hole cap - PTFE (red)/Silicone (white)/PTFE (red)

Ideal for critical analyses, low particle formation thanks to PTFE-coated silicone disc on both sides, temperature range: -60 °C - 200 °C

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590891	Transparent	1.0 mm	6 mm	1)
120-0590747	blue	1.0 mm	6 mm	2)
120-0590921	red	1.0 mm	6 mm	3)
120-0590778	black	1.0 mm	6 mm	4)
120-0590945	green	1.0 mm	6 mm	5)
120-0590969	yellow	1.0 mm	6 mm	6)

PU = 100 pcs. in PE bag



PP screw hole cap - silicone (white)/PTFE (red), UltraBond

Top!

With an UltraBond closure system, the screw cap and septum are inseparably connected. The molecular structure of the contact surface between the PP screw cap and the septum is modified so that a bond is created without the use of adhesives.

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0590754	blue	1.3 mm	6 mm

PU = 100 pcs. in PE bag



PP screw hole cap - silicone (beige)/PTFE (white), UltraBond

Top!

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0590976	blue	1.0 mm	6 mm

PU = 100 pcs. in PE bag



Top!

PP screw hole cap - silicone (beige)/PTFE (white), slotted, UltraBond

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0590983	blue	1.0 mm	6 mm

PU = 100 pcs. in PE bag



ND9 - Screw hole caps/septa

PP screw hole cap - silicone (white)/aluminium

Temperature range: -60 °C - 200 °C
50° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0591133	Transparent	1.0 mm	6 mm	1)
120-0591140	blue	1.0 mm	6 mm	2)
120-0647410	red	1.0 mm	6 mm	3)
120-0647427	black	1.0 mm	6 mm	4)
120-0647434	green	1.0 mm	6 mm	5)
120-0647441	yellow	1.0 mm	6 mm	6)



PU = 100 pcs. in PE bag

PP screw hole cap - silicone (white)/PTFE (blue), slotted

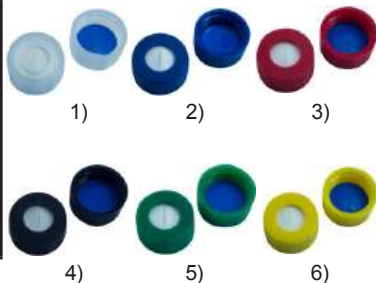
Ideal for critical analyses, recommended for single injections, slotted septum
Application in GC, HPLC and headspace analysis

Temperature range: -60 °C - 200 °C

55° shore A

Top!

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590884	Transparent	1.0 mm	6 mm	1)
120-0590785	blue	1.0 mm	6 mm	2)
120-0590914	red	1.0 mm	6 mm	3)
120-0590730	black	1.0 mm	6 mm	4)
120-0590938	green	1.0 mm	6 mm	5)
120-0590952	yellow	1.0 mm	6 mm	6)



PU = 100 pcs. in PE bag

PE screw hole cap - with thinned piercing point

Item no:	Cap colour:	Hole Ø:
120-0885164	Transparent	6 mm

PU = 100 pcs. in PE bag



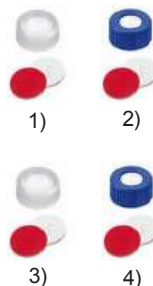
PP screw hole cap - silicone (white)/PTFE (blue), Y-slotted (on)

Slotted/pre-cut septum, only the carrier material is slotted in a Y-shape, the vulcanised aluminium protective barrier remains intact.

Ideal for blunt/thick instrument needles, prevents frequent fluctuations in concentration.
55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	Special feature:	
120-0885041	Transparent	1.0 mm	6 mm	Y-slotted	1)
120-0885058	blue	1.0 mm	6 mm	Y-slotted	2)
120-0885065	Transparent	1.0 mm	6 mm	Y-slotted	3)
120-0885072	blue	1.0 mm	6 mm	Y-slotted	4)

PU = 100 pcs. in PE bag



Phthalate-free closures:

PP screw hole cap - aluminium (additional sealing with O-ring)

Ideal for GC-MS, LC-MS, high-temperature analysis and trace analysis

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0644556	blue	0.1 mm	6 mm	1)
120-0649360	blue	0.06 mm	6 mm	2)
120-0885119	white	0.06 mm	6 mm	3)

PU = 100 pcs. in PE bag



PP screw hole cap - PTFE (additional sealing with O-ring)

Ideal for GC-MS, LC-MS, high-temperature analysis and trace analysis, phthalate-free high-purity PTFE virginal

53° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0647458	blue	0.20 mm	6 mm	1)
120-0885126	white	0.20 mm	6 mm	2)

PU = 100 pcs. in PE bag



ND9 - Screw hole caps/septa

Polyamide screw hole cap - silicone (transparent)/PTFE (transparent)

ms-Pure silicone

Screw caps with pierced opening

Suitable for septum vials with 12 mm $\varnothing$, 1.0 ml - 2 ml volume

Item no:	Cap colour:	Cap edge:	Thickness:	Hole $\varnothing$:
120-0672351	white	fluted	1.0 mm	6 mm
120-0672412	white	smooth	1.0 mm	6 mm
120-0672368	blue	fluted	1.0 mm	6 mm
120-0672429	blue	smooth	1.0 mm	6 mm
120-0672375	red	fluted	1.0 mm	6 mm
120-0672436	red	smooth	1.0 mm	6 mm
120-0584784	black	fluted	1.0 mm	6 mm
120-0672443	black	smooth	1.0 mm	6 mm
120-0672382	green	fluted	1.0 mm	6 mm
120-0672450	green	smooth	1.0 mm	6 mm
120-0672399	yellow	fluted	1.0 mm	6 mm
120-0672467	yellow	smooth	1.0 mm	6 mm



PU = 500 pcs. in PET can with screw cap

Glass fibre reinforced polyamide - Screw hole cap - Silicone (transparent)/PTFE (transparent)

ms-Pure silicone

Screw caps with pierced opening

Suitable for septum vials with 12 mm $\varnothing$, 1.0 ml - 2 ml volume

Item no:	Cap colour:	Cap edge:	Thickness:	Hole $\varnothing$:
120-0672481	white	fluted	1.0 mm	6 mm
120-0672498	blue	fluted	1.0 mm	6 mm
120-0672504	red	fluted	1.0 mm	6 mm
120-0672511	black	fluted	1.0 mm	6 mm
120-0672528	green	fluted	1.0 mm	6 mm
120-0672535	yellow	fluted	1.0 mm	6 mm



PU = 500 pcs. in PET can with screw cap

PP screw hole cap with attached magnetic cap

Ideal for CTC GC PAL and Thermo Scientific TriPlus,
Safe handling, ready-to-use closure

Item no:	Cap colour:	Material:	Hardness:	Thickness:	Hole Ø:	
120-0591171	(blue) gold	Silicone (white)/ PTFE (red)	45° shore A	1.0 mm	6 mm	1)
120-0591164	(blue) gold	NK (red-orange)/ TEF (transparent)	60° shore A	1.0 mm	6 mm	2)
120-0591188	(blue) gold	Silicone (white)/PTFE (blue), slotted	55° shore A	1.0 mm	6 mm	3)

PU = 100 pcs. in PE bag



ND9 - Screw hole caps/septa

Polyamide screw hole cap without septum

Screw caps with pierced opening

Suitable for septum vials with 12 mm $\varnothing$, 1.0 ml - 2 ml volume

Item no:	Cap colour:	Cap edge:	Hole $\varnothing$:
120-0672559	white	fluted	6 mm
120-0672627	white	smooth	6 mm
120-0672566	blue	fluted	6 mm
120-0672634	blue	smooth	6 mm
120-0672573	red	fluted	6 mm
120-0672641	red	smooth	6 mm
120-0672580	black	fluted	6 mm
120-0672658	black	smooth	6 mm
120-0672597	green	fluted	6 mm
120-0672665	green	smooth	6 mm
120-0672603	yellow	fluted	6 mm
120-0672672	yellow	smooth	6 mm



120-0672597

PU = 500 pcs. in PET can with screw cap

PP screw hole cap without septum

Screw caps with pierced opening

Suitable for septum vials with 12 mm $\varnothing$, 1.0 ml - 2 ml volume

Item no:	Cap colour:	Cap edge:	Hole $\varnothing$:
120-0672771	white	fluted	6 mm
120-0672849	white	smooth	6 mm
120-0672788	blue	fluted	6 mm
120-0672856	blue	smooth	6 mm
120-0672795	red	fluted	6 mm
120-0672863	red	smooth	6 mm
120-0672801	black	fluted	6 mm
120-0672870	black	smooth	6 mm
120-0672818	green	fluted	6 mm
120-0672887	green	smooth	6 mm
120-0672825	yellow	fluted	6 mm
120-0672894	yellow	smooth	6 mm

PU = 500 pcs. in PET
Socket with screw
connection

Polyamide screw cap, without insert

Closed screw caps with PTFE-coated insert, type "HP" made of polyamide, with glued-in PTFE-coated insert, for bearing vials with volume 1.0 ml - 2 ml and $\varnothing$ 12 mm

Item no:	Cap colour:	Cap edge:
120-0647052	white	fluted
120-0646987	white	smooth
120-0647014	blue	fluted
120-0646901	blue	smooth
120-0647038	red	fluted
120-0646949	red	smooth
120-0647045	black	fluted
120-0646963	black	smooth
120-0647021	green	fluted
120-0646925	green	smooth
120-0647069	yellow	fluted
120-0647007	yellow	smooth

PU = 500 pcs. in PET can with screw cap

PP screw cap, without insert, closed

Closed screw caps
for storage vials with a volume of 1.0 ml - 2 ml and $\varnothing$ 12 mm

Item no:	Cap colour:	Cap edge:
120-0647465	blue	smooth



PU = 1,000 pcs. in PE bag

PP screw hole cap - PTFE virginal, closed

Very inert and temperature-resistant, therefore also suitable as a coating on most other sealing discs. 53°
shore D

Item no:	Cap colour:	Cap edge:
120-0591102	blue	smooth



PU = 100 pcs. in PE bag

ND9 - Screw hole caps/septa

PP screw hole cap - natural rubber (red-orange)/TEF (transparent), closed

For closing 12x32mm short thread bottles

Temperature range: -40 °C - 120 °C

60° shore A

Item no:	Cap colour:	Cap edge:
120-0591119	blue	smooth



PU = 100 pcs. in PE bag

PP screw hole cap - silicone (white)/PTFE (red), closed, UltraClean

For closing 12x32mm short thread bottles

Temperature range: -60 °C - 200 °C

55° shore A

Item no:	Cap colour:	Cap edge:
120-0591126	blue	smooth



PU = 100 pcs. in PE bag

PA screw cap, with PTFE-coated insert, closed

Type "HP" made of polyamide, with glued-in PTFE-coated insert, ideal for storage vials with a volume of 1.0 ml - 2 ml and ø 12 mm

Item no:	Cap colour:	Cap edge:
120-0472579	white	fluted
120-0646970	white	smooth
120-0472531	blue	fluted
120-0646895	blue	smooth
120-0472555	red	fluted
120-0646932	red	smooth
120-0472562	black	fluted
120-0646956	black	smooth
120-0472548	green	fluted
120-0646918	green	smooth
120-0472586	yellow	fluted
120-0646994	yellow	smooth

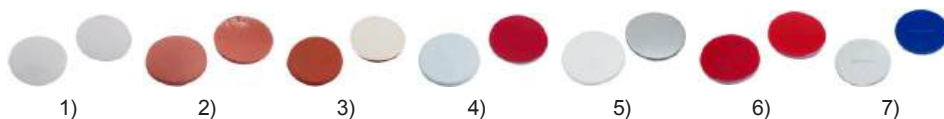


PU = 500 pcs. in PET can with
Screw cap

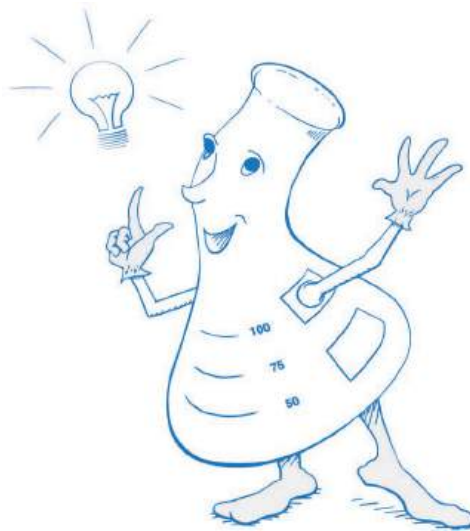
Septa

Item no:	Material:	Colour:	Hardness:	Thickness:	
120-0589550	PTFE	virginal	53° shore A	0.2 mm	1)
120-0589536	Natural rubber/TEF	red-orange/ transparent	60° shore A	1.0 mm	2)
120-0589581	RedRubber/PTFE	red/beige	45° shore A	1.0 mm	3)
120-0589543	Silicone/PTFE	white/red	55° shore A	1.0 mm	4)
120-0674065	Silicone/aluminium foil	white/silver	50° shore A	1.3 mm	5)
120-0589567	PTFE/Silicone/PTFE	red/white/red	45° shore A	1.0 mm	6)
120-0589574	Silicone/PTFE, slotted	white/blue	55° shore A	1.0 mm	7)

PU = 100 pcs. in PE bag



ND 11



Our top products - high quality made in Germany

ZeroSept® by LABC



ZeroSept® closures are innovative, high-purity and high-quality closures for trace analysis. Only absolutely pure septa, i.e. septa that are as free of blank values as possible, are labelled "ZeroSept®".

StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

pp-Pure-Vial - polypropylene vial for sample volumes from 100 - 700 µl



Vial made of plasticiser-free polypropylene. Plasticiser free! The inner shape of the vial with optimised residual volume emptying is ideal for sampling small volumes and allows universal work in the range from 100 to 700 µl sample volume.

Due to the high base, it is possible to work with very small lumens and, depending on the needle geometry, the effective non-injectable volume can be extremely small.

μ -Vial with integrated 350 μ l insert



Microvial with a fused insert that forms a common base with the outer vial. In terms of functionality, it is the same as when a loose insert is used, except that the insert of the μ -Vial is firmly connected to the outer vial, fits securely into the opening of the vial and stands upright. The total volume is 350 μ l and the base volume is 10 μ l.

1.2 ml V μ -Vial our "Vase-Vial"



The vial or V μ vial can hold the largest volume. It holds 1.2 ml up to the shoulder and 15 μ l at the base. As the vial is the most favourable solution in terms of price, we recommend this version for all work up to a residual volume of 15 μ l.

250 μ l insert vial - ideal for volatile samples and microreactions



The insert is integrated into the body of a 2 ml vial, the insert is sealed directly. This creates a directly sealed sample chamber of 250 μ l, making the iV2 μ vial suitable for use with volatile samples, as no sample vapour can escape into the cavity between the vial and insert.

crimp vials

Ideal for Agilent, Carlo Erba, CTC, DANI, Fisons, Gerstel, Jasco, PerkinElmer, Shimadzu, Spark, Thermo Scientific, Varian and Waters®.

Standard vials for GC and HPLC

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0645782	KG	1.5 ml	< 100 µl	32 mm	12 mm		1)
120-0645775	BG	1.5 ml	< 100 µl	32 mm	12 mm		2)
120-0017565	KG	1.5 ml	< 100 µl	32 mm	11.6 mm		3)
120-0017602	KG	1.1 ml	< 100 µl	32 mm	11.6 mm	write-on patch, Filling mark	4)
120-0017619	BG	1.1 ml	<100 µl	32 mm	11.6 mm	write-on patch, Filling mark	5)
120-0212311	KG	0.2 ml	< 3 µl	32 mm	11.6 mm	with integrated 0.2 ml micro-insert, writing field, filling marker, "Top Bonded"	6)
120-0589345	BG	0.2 ml	< 3 µl	32 mm	11.6 mm	with integrated 0.2 ml micro-insert, writing field, filling marker, "Top Bonded"	7)
120-0589383	KG	0.3 ml	< 4 µl	32 mm	11.6 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	8)
120-0881753	BG	0.3 ml	< 4 µl	32 mm	11.6 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	9)
120-0589321	KG	1.1 ml	< 15 µl	32 mm	11.6 mm	micro litre vial	10)
120-0885997	BG	1.1 ml	< 15 µl	32 mm	11.6 mm	micro litre vial	11)
120-0590556	KG	0.9 ml	< 1 µl	32 mm	11.6 mm	Total microlitres snap ring vial	12)

PU = 100 pcs. in PP box



ND11 - Crimp vials

V μ -Vial "Vase-Vial"

Microlitre crimp vials

Agilent compatible, with integrated residual emptying

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0455312	KG	1.2 ml	< 15 μ l	32 mm	11.6 mm		1)
120-0455244	BG	1.2 ml	< 15 μ l	32 mm	11.6 mm		2)
120-0455251	BG*	1.2 ml	< 15 μ l	32 mm	11.6 mm	Lightproof coating	3)

PU = 100 pcs in PP box,
* 95 pcs in PP box



Insert vial - ideal for volatile samples and microreactions

Vial with insert fused to the base

Particularly suitable for volatile micro samples, gas chromatography applications, volatile samples and Liophilisation

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0455299	KG	250 μ l	< 8 μ l	32 mm	12 mm	1)
120-0455213	BG	250 μ l	< 8 μ l	32 mm	12 mm	2)

PU = 100 pcs. in PP box



μ -Vial with integrated 350 μ l insert

Microvial with fused insert

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0455282	KG	350 μ l	< 10 μ l	32 mm	12 mm	1)
120-0455206	BG	350 μ l	< 10 μ l	32 mm	12 mm	2)

PU = 100 pcs. in PP box



pp-Pure Vial

pp-Pure-Vial - Polypropylene vial for sample volumes from 100 µl - 700 µl Vial made of specially pure polypropylene. Agilent-compatible screw cap, universally applicable:

Item no:	Volume:	Rest:	Height:	Ø:
120-0645874	700 µl	< 80 µl	32 mm	12 mm

PU= 250 pcs in PET can with screw cap



Microbottle

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0589352	KG	0.9 ml	< 2 µl	32 mm	10 mm	conical	1)
120-0589369	BG	1.1 ml	< 4 µl	32 mm	11.6 mm	conical	2)

PU = 100 pcs in PP box



Finishing options:

- Barcode label
- Barcode laser printing
- Barcode with numbering
- silanise
- sterile
- sterile & pyrogen-free



Tip!

Detailed information and article numbers can be found from page 121 onwards.

ZeroSept® ALUmono-O are closures consisting of a pure aluminium septum held by an O-ring. The septum is held in the cap by an O-ring. This prevents it from falling out of the cap and ensures greater tightness. Aluminium is very inert and highly pure.

ND11 ZeroSept® ALUmono-O crimp cap closure:

ND11 Aluminium flared cap, painted, with hole and groove (roller burnishing)*, fluoroplastic O-ring** and an aluminium foil as a phthalate-free septum

*Prevents the septum from falling out of the ND11 cap during transport!

**Optimum tightness without readjusting the sealing pliers!

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)
120-0401951	1,1	5,5	Colourless lacquered
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			

ZeroSept® SILP are high-purity silicone closures. Our silicone is a new and particularly clean mixture and ensures low-interference measurements. The silicone septa are laminated with a PTFE barrier film. At 38° Shore, the septum is also very soft.

ND11 ZeroSept® SILP closure:

ND11 Aluminium flared cap, painted, with natural silicone /PTFE colourless (ultra-pure)

- Very soft
- Ideal for inorganic analysis
- Low in alcohol
- tempered and elaborately washed
- for CTC autosampler

Article no.	Thickness [mm]	Hole Ø [mm]	Colour (cap)	Picture
120-0916141	1,2	5,5	blue	1
120-0890090	1,2	5,5	colourless	2
120-0916158	1,2	5,5	gold	3
120-0916127	1,2	5,5	green	4
120-0916134	1,2	5,5	red	5
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal				



ND11 - ZeroSept

ZeroSept® AIR The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept®AIR septum PTFEvirginal/AIR/ PTFEvirginal has a high level of leak-tightness, even with multiple injections! The double PTFE film without an elastomer component makes the septum extremely clean and, among other things very interesting for trace analysis. In combination with our standard bottles, it fits into all common GC/HPLC systems and can also be moved with your autosampler in the magnetic version.

ND11 - ZeroSept® AIR

ND11 ZeroSept® AIR are ultra-pure PTFE closures. The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept® AIR septum PTFEvirginal/AIR/PTFEvirginal has a high level of tightness, even with multiple injections! The double PTFE film without an elastomer component makes the septum highly pure and very interesting for trace analysis, among other things. In combination with our standard flasks, it fits into all common GC/HPLC systems.

Aluminium flared cap, painted, with roller blind* and PTFEvirginal/AIR/PTFEvirginal septum

*Prevents the septum from falling out of the N11 cap during transport!

- Very good sealing properties
- phthalate-free closure system
- Elastomer, silicone and halogen-free
- consists entirely of virgin PTFE
- No punching out of elastomer septum particles by syringe cannula possible
- for liquid-liquid extractions (e.g. MOSH MOAH)
- Suitable for trace analysis and multiple injections

Item no:	Cap colour:	Thickness [mm]	Hole Ø [mm]
120-0916639	blue	1,2	5,5
120-0916608	colourless	1,2	5,5
120-0916653	gold	1,2	5,5
120-0916615	green	1,2	5,5
120-0916622	red	1,2	5,5
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



Aluminium crimp cap - natural rubber (red-orange)/TEF (transparent)

Ideal for multiple injections, high resealing properties Application in GC and HPLC; septum is tested for instrument manufacturer quality

Temperature range: -40 °C - 120 °C

60° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0647472	silver	1.0 mm	5.5 mm	1)
120-0647489	green	1.0 mm	5.5 mm	2)
120-0647496	red	1.0 mm	5.5 mm	3)
120-0647502	blue	1.0 mm	5.5 mm	4)
120-0647519	gold	1.0 mm	5.5 mm	5)

PU = 100 pcs. in PE bag



Aluminium crimp cap - natural rubber (red-orange)/butyl/TEF (transparent)

Ideal for multiple injections, easier to pierce than natural rubber/TEF seals, sandwich disc, combination of good physical properties (resealing properties) with good chemical properties (purity); temperature range: -40 °C - 120 °C

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0587075	silver	1.0 mm	5.5 mm	1)
120-0587099	green	1.0 mm	5.5 mm	2)
120-0587105	red	1.0 mm	5.5 mm	3)
120-0587112	blue	1.0 mm	5.5 mm	4)
120-0673983	gold	1.0 mm	5.5 mm	5)

PU = 100 pcs. in PE bag



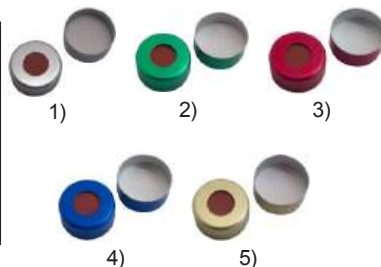
ND11 - Crimp Neck

Aluminium flare cap - RedRubber/PTFE (beige)

Preferably recommended for single injections, purity comparable to silicone, application in GC and HPLC, septum is tested for instrument manufacturer quality; temperature range: -40 °C - 150 °C
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0587150	silver	1.0 mm	5.5 mm	1)
120-0587167	green	1.0 mm	5.5 mm	2)
120-0587174	red	1.0 mm	5.5 mm	3)
120-0587181	blue	1.0 mm	5.5 mm	4)
120-0587198	gold	1.0 mm	5.5 mm	5)

PU = 100 pcs. in PE bag

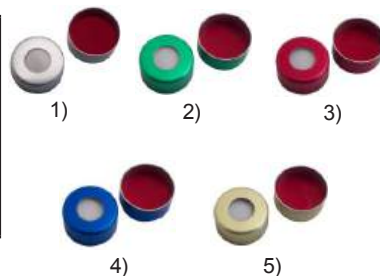


Aluminium flared cap - Silicone (white)/PTFE (red)

Preferably recommended for single injections, purest synthetic elastomer, therefore Can be used for critical analyses
Application in GC, HPLC and headspace analysis
Temperature range: -60 °C - 200 °C
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0587051	silver	1.0 mm	5.5 mm	1)
120-0587204	green	1.0 mm	5.5 mm	2)
120-0587211	red	1.0 mm	5.5 mm	3)
120-0587225	blue	1.0 mm	5.5 mm	4)
120-0587235	gold	1.0 mm	5.5 mm	5)

PU = 100 pcs. in PE bag



Aluminium flared cap - Silicone/PTFE

Thicker silicone for higher tightness requirements
Temp. range: -60 °C - 200 °C Hole: 5.5 mm

Item no:	Cap colour:	Septum:	Thickness:	Hardness:
120-0587136	silver	Silicone cream/ PTFE red	1.5 mm	55° shore A



Aluminium flared cap - Silicone/PTFE

PTFE-coated silicone discs on both sides for low particle formation

Temperature range: -60 °C - 200 °C

Item no:	Cap colour:	Septum:	Thickness:	Hole Ø:	Hardness:
120-0587044	silver	PTFE red/silicone white/PTFE red	1.0 mm	5.5 mm	45° shore A



PU = 100 pcs. in PE bag

Slotted septa in HPLC as a penetration aid for thick/blunt needles and to create a valve effect in the case of multiple injections Temperature range: -60 °C - 200 °C

Item no:	Cap colour:	Septum:	Thickness:	Hole Ø:	Hardness:
120-0587037	silver	Silicone white/ PTFE blue slit	1.0 mm	5.5 mm	55° shore A



PU = 100 pcs. in PE bag

Aluminium flared cap - Butyl/PTFE

Temperature range: -40 °C - 120 °C

55° shore A

Item no:	Cap colour:	Septum:	Thickness:	Hole Ø:	
120-0587006	silver	Butyl cream/ PTFE grey	1.0 mm	5.5 mm	1)
120-0587082	silver	PTFE grey/ butyl cream/ PTFE grey	1.0 mm	5.5 mm	2)



PU = 100 pcs. in PE bag

1)

ND11 - special flared caps

High-temperature closures

Septem for applications with particularly high temperatures. The hole diameter is always 5.5 mm

Item no:	Cap colour:	Septum:	Temp. range:	Thickness:	Hardness:	
120-0647526	silver	PTFE virginal		0.25 mm	53° shore A	1)
120-0587129	silver with roller burnishing	PTFE virginal	-200 to +260 °C	0.25 mm	53° shore A	2)
120-0587259	silver	PTFE virginal + TPF O-ring	-200 to +260 °C	0.25 mm	53° shore A	3)
120-0587266	silver	Silicone(white)/aluminium foil(silver)	-40 to +220 °C	1.3 mm	50° shore A	4)
120-0647533	silver	Viton 1A	-200 to +260 °C	1.0 mm	70° shore A	5)
120-0587020	silver	Viton 1A	-200 to +260 °C	1.5 mm	70° shore A	6)

PU = 100 pcs.



Magnetic fasteners

for CTC PAL & Thermo Scientific TriPlus Autosampler
45° shore A. The hole diameter is 5.5 mm

Item no:	Cap colour:	Septum:	Thickness:	
120-0587242	silver	Silicone(white)/PTFE(red)	1.3 mm	1)
120-0587143	silver	PTFE(red)/Silicone(white)/PTFE(red)	1.0 mm	2)

PU = 100 pcs.



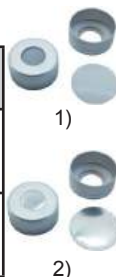
TPF locking systems

Trace analysis

Phthalate-free closure system (TPF closure)

Elastomer and halogen-free septum

Item no:	Cap colour:	Septum:	Thickness:	Hole Ø:	Hardness:	
120-0587280	silver with roller burnishing	Aluminium + TPF-O-Ring	0.1 mm	5.5 mm		1)
120-0587297	silver with roller burnishing	PTFE virginal + TPF O-ring	0.25 mm	5.5 mm	53° shore A	2)



PU = 100 pcs. in plasticiser-free glass vials

Aluminium flanged cap

Aluminium flared caps are available as standard in clear lacquered, green lacquered, red lacquered and

lacquered, blue lacquered and gold lacquered available

Item no:	Cap colour:	Hole Ø:	
120-0647540	silver	5,5	1)
120-0647557	green	5,5	2)
120-0647564	red	5,5	3)
120-0647571	blue	5,5	4)
120-0647588	gold	5,5	5)



PU = 100 pcs.

ND11 - Crimp Neck

Septa

11 mm for flared caps ND11

Item no:	Material:	Colour:	Hardness:	Thickness:	
120-0589710	Silicone/PTFE	white/red	45° shore A	1.3 mm	1)
120-0589796	Silicone/PTFE	cream/red	55° shore A	1.5 mm	2)
120-0589727	PTFE/Silicone/PTFE	red/white/red	45° shore A	1.0 mm	3)
120-0589673	Silicone/PTFE, slit	white/blue	55° shore A	1.5 mm	4)
120-0589680	Viton 1A	black	70° shore A	1.0 mm	5)
120-0589819	Silicone/aluminium	white/silver	50° shore A	1.3 mm	6)
120-0589703	PTFE	virginal	53° shore A	0.2 mm	7)
120-0589659	Natural rubber/TEF	red-orange/transparent	60° shore A	1.0 mm	8)
120-0589802	RedRubber/PTFE	red/beige	45° shore A	1.0 mm	9)
120-0589666	Butyl/PTFE	cream/grey	55° shore A	13 mm	10)
120-0589734	PTFE/butyl/PTFE	grey/red/grey	55° shore A	1.3 mm	11)

PU = 100 pcs. in PE bag



Snap ring vials

Ideally suited for Agilent, HTA, Shimadzu, Thermo Scientific, Varian and Waters®.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0017671	KG	1.5 ml	< 100 µl	32 mm	11.6 mm		1)
120-0017688	KG	1.5 ml	< 100 µl	32 mm	11.6 mm	write-on patch, Filling mark	2)
120-0017695	BG	1.5 ml	< 100 µl	32 mm	11.6 mm	write-on patch, Filling mark	3)
120-0590532	KG	0.3 ml	< 3 µl	32 mm	11.6 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	4)
120-0889421	BG	0.3 ml	< 3 µl	32 mm	11.6 mm	with integrated 0.3 ml micro-insert, "Base Bonded"	5)
120-0889438	KG	1.1 ml	< 15 µl	32 mm	11.6 mm	micro litre vial	6)
120-0889445	BG	1.1 ml	< 15 µl	32 mm	11.6 mm	micro litre vial	7)

PU = 100 pcs. in PP box



ND11 - Snap ring vials

μ -Vial with integrated 350 μ l insert

Microvial with fused insert

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:
120-0455442	KG	350 μ l	< 10 μ l	32 mm	12 mm
120-0455374	BG	350 μ l	< 10 μ l	32 mm	12 mm

PU = 100 pcs. in PP box



V μ -Vial "Vase-Vial"

Microlitre snap ring vial

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0455473	KG	1.2 ml	< 15 μ l	32 mm	12 mm	1)
120-0455404	BG	1.2 ml	< 15 μ l	32 mm	12 mm	2)

PU = 100 pcs in PP box



Insert vial - ideal for volatile samples and microreactions

Vial with a 250 μ l insert fused to the base, drawn out and directly sealable, Particularly suitable for volatile samples.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0455459	KG	250 μ l	< 8 μ l	32 mm	12 mm	1)
120-0455381	BG	250 μ l	< 8 μ l	32 mm	12 mm	2)

PU = 100 pcs. in PP box



pp-Pure Vial

pp-Pure-Vial - Polypropylene vial for sample volumes from 100 µl - 700 µl Vial made of specially pure polypropylene. Agilent-compatible screw cap, universally applicable.

Item no:	Volume:	Rest:	Height:	Ø:
120-0645874	700 µl	< 80 µl	32 mm	12 mm

PU = 250 pcs in PET can with screw cap



Plastic micro bottles

Item no:	Material:	Volume:	Rest:	Height:	Ø:	
120-0590549	PP, transparent	0.3 ml	< 4 µl	32 mm	11.6 mm	1)
120-0889469	PP, transparent	0.7 ml	< 25 µl	32 mm	11.6 mm	2)

PU = 100 pcs in PP box



1) 2)

Finishing options:



- Barcode label
- Barcode laser printing
- Barcode with numbering
- silanise
- sterile
- sterile & pyrogen-free



Tip!

Detailed information and article numbers can be found from page 121 onwards.

ND11 - Snap ring caps/septa

Snap ring - natural rubber (red-orange)/TEF (transparent)

PE snap ring fasteners
60° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590358	Transparent	1.0 mm	6 mm	1)
120-0590365	blue	1.0 mm	6 mm	2)

PU= 100 pcs. in PE bag



Snap ring - RedRubber/PTFE (beige)

PE snap ring fasteners
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590396	Transparent	1.0 mm	6 mm	1)
120-0590402	blue	1.0 mm	6 mm	2)

PU= 100 pcs. in PE bag



Snap ring - RedRubber / PTFE(transparent)

PE snap ring fasteners
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0674058	Transparent	1.0 mm	6 mm

PU= 100 pcs. in PE bag



Snap ring - Silicone (white)/PTFE (red)

PE snap ring fasteners
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590327	Transparent	1.3 mm	6 mm	1)
120-0590372	blue	1.3 mm	6 mm	2)

PU= 100 pcs. in PE bag



Snap ring - PTFE (red)/Silicone (white)/PTFE (red)

PE snap ring fasteners
45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590341	Transparent	1.0 mm	6 mm	1)
120-0590389	blue	1.0 mm	6 mm	2)

PU= 100 pcs. in PE bag



Snap ring - silicone (white)/PTFE (blue), cross-slit

PE snap ring fasteners cross-slotted
55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:	
120-0590426	Transparent	1.0 mm	6 mm	1)
120-0590419	blue	1.0 mm	6 mm	2)

PU= 100 pcs. in PE bag



Septa

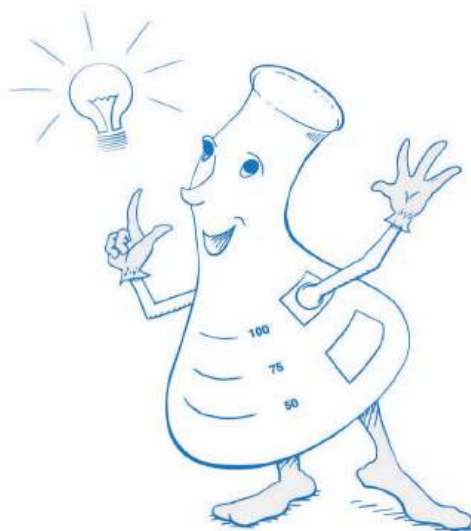
10.5 mm for snap ring caps ND11

Item no:	Material:	Colour:	Hardness:	Thickness:	
120-0589741	Natural rubber/TEF	red-orange/transparent	60° shore A	1.0 mm	1)
120-0589765	Silicone/PTFE	white/red	45° shore A	1.3 mm	2)
120-0589758	PTFE/Silicone/PTFE	red/white/red	45° shore A	1.0 mm	3)
120-0589772	Silicone/PTFE, cross-slit	white/blue	55° shore A	1.0 mm	4)

PU = 100 pcs. in PE bag



ND 13



Our top products - high quality made in Germany

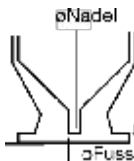
StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

VMax-Vial - for optimised residual emptying



The large vase vials can stand without support. Ideal for automatic sample preparation. The VMax vial has a cylindrical base. The "tapered foot" is technically superior when sampling in a sample container.

ND13 - Screw Neck Vials

Screw Neck Vials

Ideal for Dionex, Shimadzu, Spark, Varian, VWR (Merck®)/Waters® (Wisp 48 positions carousel).

Wide opening allows easy filling with viscous substances.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	Special feature:	
120-0588607	KG	4 ml	< 400 µl	45 mm	14.7 mm		1)
120-0588621	BG	4 ml	< 400 µl	45 mm	14.7 mm		2)
120-0588638	KG	4 ml	< 400 µl	45 mm	14.7 mm	write-on patch, Filling mark	3)
120-0588645	BG	4 ml	< 400 µl	45 mm	14.7 mm	write-on patch, Filling mark	4)
120-0889483	KG	3.5 ml	< 15 µl	45 mm	14.7 mm	micro litre vial	5)

PU = 100 pcs. in PP box



VMax-Vial - for optimised residual emptying

Ideally suited for Waters®.
With a 13-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0461535	KG	3.5 ml	45 mm	14 mm	1)
120-0461504	BG	3.5 ml	45 mm	14 mm	2)

PU = 100 pcs. in PP box



Constant-weight single-weight Screw Neck Vials, < 4.8g

"Lightweight" 4 ml screw-in vial,
Weight: < 4.8 g,
Wall thickness: 0.8 mm,
Especially suitable for use on analytical balances

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0461535	KG	4 ml	45 mm	14 mm	1)
120-0461504	BG	4 ml	45 mm	14 mm	2)

PU = 100 pcs. shrink-wrapped in half-shell carton



Screw Neck Vials with Round Bottom

Ideally suited for Waters®. Screw-in vial with round base
With a 13-425 thread

Item no:	KG/BG:	Volume:	Height:	Ø:	PU:	
120-0646017	KG	3.5 ml	45 mm	14 mm	100 pcs.	1)
120-0646031	KG	8.5 ml	75 mm	16 mm	120 pcs.	2)

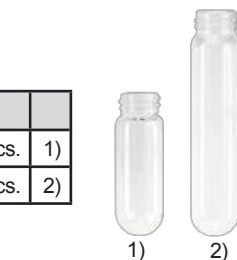
VPE = shrink-wrapped in half-shell carton

4 ml wash bottle kit

4 x 20 pcs. Wash vials (solvent bottles) with blue, yellow, green and red screw caps
2 x 10 pcs. Waste vials with white and black screw caps
Screw caps complete with diffusion insert

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0313681	KG	4.0 ml	45 mm	15 mm

PU= 100 pcs in cardboard box, consisting of



ND13 - Storage vials

StorageVialBox with closed screw cap

With a 13-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0668446	KG	1.0 ml	19 mm	14 mm	1)
120-0671880	BG	1.0 ml	19 mm	14 mm	2)
120-0671897	KG	1.5 ml	22 mm	14 mm	3)
120-0671934	BG	1.5 ml	22 mm	14 mm	4)



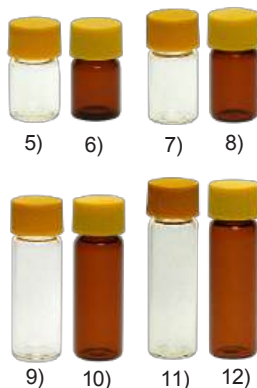
PU = 100 pcs. in cardboard box, caps available in 6 colours!

Glued-in PTFE-coated PE foam
sealing insert and a 13-425 thread
PU = 100 pcs. in cardboard box,
caps available in 6 colours!

StorageVialBox with closed screw cap

With a 13-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0671972	KG	2.0 ml	26 mm	14 mm	5)
120-0671989	BG	2.0 ml	26 mm	14 mm	6)
120-0672009	KG	2.5 ml	30 mm	14 mm	7)
120-0672016	BG	2.5 ml	30 mm	14 mm	8)
120-0672023	KG	3,75 ml	45 mm	14 mm	9)
120-0672030	BG	3,75 ml	45 mm	14 mm	10)
120-0672061	KG	5.0 ml	50 mm	14 mm	11)
120-0672092	BG	5.0 ml	50 mm	14 mm	12)



PP screw hole cap - natural rubber (red-orange)/TEF

60° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591256	black	1.3 mm	8.5 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (white)/PTFE (red)

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0647625	black	1.3 mm	8.5 mm

PU= 100 pcs. in PE bag



PP screw hole cap - butyl (cream)/PTFE (grey)

55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591287	black	1.3 mm	8.5 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (cream)/PTFE (red)

55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591324	black	1.5 mm	8.5 mm

PU= 100 pcs. in PE bag



PP screw hole cap - PTFE (red)/Silicone (white)/PTFE (red)

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591263	black	1.0 mm	8.5 mm

PU= 100 pcs. in PE bag



ND13 - Screw caps/septa

PP screw hole cap - silicone (white)/PTFE (blue), slotted

Pre-slit septum 55°
shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591270	black	1.0 mm	8.5 mm



PU= 100 pcs. in PE bag

PP screw hole cap - silicone (transparent)/PTFE (white)

Caps available in 6 different colours

Item no:	Cap edge:	Thickness:	Hole Ø:
120-0646475	fluted	1.6 mm	8.5 mm



PU= 500 pcs. in PE bag

PP screw cap - natural rubber (red-orange)/TEF (transparent)

Closed cap 60° shore A

Item no:	Cap colour:	Thickness:
120-0591294	black	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap - butyl (cream)/PTFE (grey)

Closed cap 55° shore A

Item no:	Cap colour:	Thickness:
120-0591300	black	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap - silicone (cream)/PTFE (red)

Closed cap 55° shore A

Item no:	Cap colour:	Thickness:
120-0591317	black	1.5 mm



PU= 100 pcs. in PE bag

Melamine resin screw cap with PTFE-coated insert

Thread 13-425 can be
used up to 120 °C

Item no:	Cap colour:
120-0646888	available in 6 colours



PU= 500 pcs. in PE bag

PP screw cap with PTFE-coated insert

Thread 13-425 can be
used up to 80 °C

Item no:	Cap colour:
120-0584630	available in 6 colours



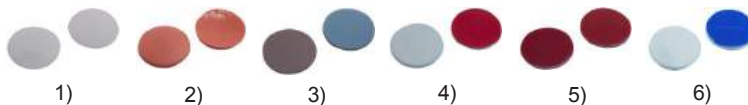
PU= 500 pcs. in PE bag

Septa

12 mm for caps ND13

Item no:	Material:	Colour:	Hardness:	Thickness:	
120-0589826	PTFE	virginal	53° shore A	0.25 mm	1)
120-0589840	Natural rubber/TEF	red-orange/clear	60° shore A	1.0 mm	2)
120-0589857	Butyl/PTFE	cream/grey	55° shore A	1.3 mm	3)
120-0647632	Silicone/PTFE	white/red	45° shore A	1.3 mm	4)
120-0589727	PTFE/Silicone/PTFE	red/white/red	45° shore A	1.0 mm	5)
120-0589673	Silicone/PTFE, slit	white/blue	55° shore A	1.0 mm	6)

PU = 100 pcs. in PE bag



ND13 - Screw caps/septa

PP screw cap without septum

Thread 13-425, with hole

Item no:	Cap colour:	Hole Ø :
120-0590259	black	8.5 mm



PU = 100 pcs. in PE bag

PP screw cap, without insert

Closed screw cap with thread 13-425

Item no:	Cap colour:
120-0022040	black



PU = 100 pcs. in PE bag

PP screw cap without septum

Thread 13-425, with hole

Item no:	Cap colour:	Hole Ø :
120-0889780	white	8.5 mm



PU = 100 pcs. in PE bag

PP screw cap, without insert

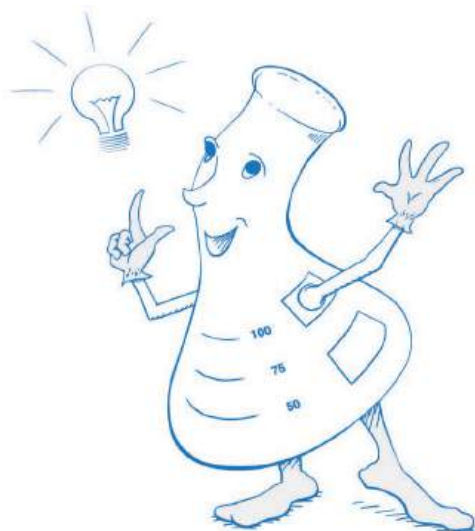
Closed screw cap with thread 13-425

Item no:	Cap colour:
120-0889797	white



PU = 100 pcs. in PE bag

ND 15



Our top products - high quality made in Germany



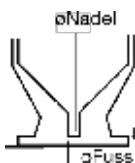
StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

VMax-Vial - for optimised residual emptying



The large vase vials can stand without support.

Ideal for automatic sample preparation. The

VMax vial has a cylindrical base.

The "tapered foot" is technically superior when sampling in a sample donor.

Screw Neck Vials

Sample vials for storage

Wide opening allows easy filling with viscous substances.

Thread 15-425

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:	
120-0588652	KG	8 ml	< 800 µl	61 mm	16.6 mm	1)
120-0647649	BG	8 ml	< 800 µl	61 mm	16.6 mm	2)
120-0588669	KG	12 ml	< 800 µl	66 mm	18.5 mm	3)
120-0647656	BG	12 ml	< 800 µl	66 mm	18.7 mm	4)

PU = 100 pcs. in PP box



Screw Neck Vials with Round Bottom

Ideally suited for Waters®. Screw-in vial with round base

With a 15-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0646024	KG	8.5 ml	75 mm	16 mm	1)
120-0646048	KG	15 ml	100 mm	16 mm	2)

PU = 120 pieces shrink-wrapped in half-shell carton



VMax-Vial - for optimised residual emptying

Large vase vials

With a 15-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0461573	KG	9.5 ml	65 mm	19 mm	1)
120-0461566	BG	9.5 ml	65 mm	19 mm	2)

PU = 100 pcs. in PP box



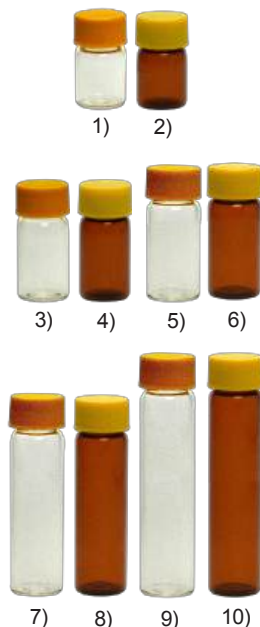
ND15 - Storage vials

StorageVialBox with closed screw cap

With a 15-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0671149	KG	2.5 ml	27 mm	17 mm	1)
120-0671156	BG	2.5 ml	27 mm	17 mm	2)
120-0671163	KG	3,75 ml	35 mm	17 mm	3)
120-0671170	BG	3,75 ml	35 mm	17 mm	4)
120-0671187	KG	5.0 ml	42 mm	17 mm	5)
120-0671194	BG	5.0 ml	42 mm	17 mm	6)
120-0671200	KG	7.5 ml	60 mm	17 mm	7)
120-0671217	BG	7.5 ml	60 mm	17 mm	8)
120-0671224	KG	10.0 ml	72 mm	17 mm	9)
120-0671248	BG	10.0 ml	72 mm	17 mm	10)

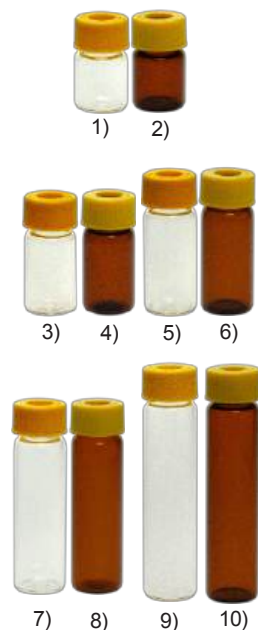
Glued-in PTFE-coated PE foam
sealing insert and a 15-425 thread
PU = 100 pcs. in cardboard box,
caps available in 6 colours!



Septum vials incl. PP screw hole cap

1.6 mm silicone/PTFE septum.
With a 15-425 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	
120-0646215	KG	2.5 ml	27 mm	17 mm	1)
120-0646208	BG	2.5 ml	27 mm	17 mm	2)
120-0646239	KG	3,75 ml	35 mm	17 mm	3)
120-0646222	BG	3,75 ml	35 mm	17 mm	4)
120-0646253	KG	5.0 ml	42 mm	17 mm	5)
120-0646246	BG	5.0 ml	42 mm	17 mm	6)
120-0671064	KG	7.5 ml	60 mm	17 mm	7)
120-0646260	BG	7.5 ml	60 mm	17 mm	8)
120-0671071	KG	10.0 ml	72 mm	17 mm	9)
120-0672917	BG	10.0 ml	72 mm	17 mm	10)



PP screw cap - natural rubber (red-orange)/TEF (transparent)

Closed cap 60° shore A

Item no:	Cap colour:	Thickness:
120-0591331	black	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap - butyl (cream)/PTFE (grey)

Closed cap 55° shore A

Item no:	Cap colour:	Thickness:
120-0591348	black	1.6 mm

PU= 100 pcs. in PE bag



PP screw cap - Viton 1A (black)

Closed cap 70° shore A

Item no:	Cap colour:	Thickness:
120-0647663	black	1.0 mm

PU= 100 pcs. in PE bag



PP screw cap - silicone (white)/aluminium foil (silver)

Closed cap 50° shore A

Item no:	Cap colour:	Thickness:
120-0591355	black	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap - butyl (dark grey)

Closed cap 48° shore A

Item no:	Cap colour:	Thickness:
120-0889902	black	2.0 mm

PU= 100 pcs. in PE bag



ND15 - screw caps/septa

PP screw cap - Alu-PET/EPE200/Alu-PET

Closed cap 45° shore A

Item no:	Cap colour:	Thickness:
120-0647670	black	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap with glued-in PTFE-coated insert

With a 15-425 thread. Can be used up to 80 °C

Item no:	Cap colour:
120-0672924	available in 6 colours

PU= 500 pcs. in PE bag



PP screw hole cap - silicone (transparent)/PTFE (white)

Caps available in 6 different colours

Item no:	Cap edge:	Thickness:	Hole Ø:
120-0646482	fluted	1.6 mm	8.8 mm

PU= 500 pcs. in PE bag



PP screw cap without septum

Thread 15-425, with hole

Item no:	Cap colour:	Hole Ø :
120-0647687	black	9.0 mm



PU = 100 pcs. in PE bag

PP screw cap, without insert

Closed screw cap with thread 15-425

Item no:	Cap colour:
120-0674041	black



PU = 100 pcs. in PE bag

Septa

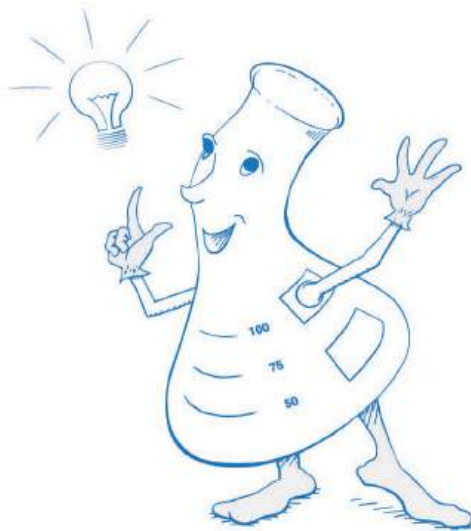
14 mm for snap ring caps ND15

Item no:	Material:	Colour:	Hardness:	Thickness:	
120-0647694	PTFE	virginal	53° shore D	0.25 mm	1)
120-0647700	Viton 1A	black	70° shore A	1.0 mm	2)
120-0647717	Butyl/PTFE	red/grey	55° shore A	1.6 mm	3)
120-0647724	Silicone/aluminium foil	white/silver	50° shore A	1.3 mm	4)
120-0889926	Butyl	dark grey	48° shore A	2.0 mm	5)
120-0889971	Alu-PET/EPE200/ Alu-PET	silver	45° shore A	1.0 mm	6)

PU = 100 pcs. in PE bag



ND 18



Screw Neck Vials

Ideally suited for PerkinElmer, Spark, Teledyne Tekmar.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:
120-0588799	KG	20 ml	< 800 µl	75.5 mm	23 mm

PU = 100 pcs. in PP box



Bearing vials with melamine resin cap incl. PTFE-coated insert

Ideal for long-term storage of volatile samples. Incl. screwed-on closed high-density screw cap with glued-in PTFE-coated septum.

Item no:	KG/BG:	Volume:	Height:	Ø:	Special feature:
120-0669825	KG	10 ml	43 mm	23 mm	
120-0669832	KG	20 ml	73 mm	23 mm	
120-0647229	KG	20 ml	73 mm	23 mm	Graduated at 5 ml, 10 ml and 15 ml

PU = 100 pcs. in cardboard box, caps available in 6 colours!



Bearing vials with melamine resin cap incl. butyl / PTFE septum

Ideal for long-term storage of volatile samples.

Incl. screwed-on, closed, high-density screw cap and inserted Butyl rubber/PTFE septum

Item no:	KG/BG:	Volume:	Height:	Ø:	Special feature:
120-0647199	KG	10 ml	43 mm	23 mm	
120-0647205	KG	20 ml	73 mm	23 mm	
120-0647212	KG	20 ml	73 mm	23 mm	Graduated at 5 ml, 10 ml and 15 ml

PU = 100 pcs. in cardboard box, caps available in 6 colours!



ND18 - Bearing vials/caps/septa

Bearing vials with phenolic cap with PE sealing cone

Graduated at 2 ml, 4 ml and 6 ml.

Item no:	KG/BG:	Cap colour:	Volume:	Height:	Ø:
120-0461429	KG	black	8 ml	48 mm	22 mm

PU = 100 pcs. in cardboard box



Bearing vials with phenolic cap incl. PTFE-coated insert

Graduated at 2 ml, 4 ml and 6 ml.

Item no:	KG/BG:	Cap colour:	Volume:	Height:	Ø:
120-0461436	KG	yellow	8 ml	48 mm	22 mm

PU = 100 pcs. in cardboard box



PP screw hole cap - Butyl (red)/PTFE (grey)

Ideal for headspace analysis

55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591416	black	1.6 mm	12 mm

PU= 100 pcs. in PE bag



PP screw hole cap - Viton 1A (black)

70° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0647731	black	1.0 mm	12 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (white)/aluminium foil (silver)

Ideal for headspace analysis

50° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591423	black	1.3 mm	12 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (white)/PTFE (blue)

Ideal for headspace analysis

55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591485	black	1.5 mm	12 mm

PU= 100 pcs. in PE bag



PP screw hole cap - butyl (red)/PTFE (grey), closed

Ideal as a sample storage bottle, closed screw cap

55° shore A

Item no:	Cap colour:	Thickness:
120-0591461	black	1.6 mm

PU= 100 pcs. in PE bag



PP screw hole cap - butyl (dark grey), closed

Ideal as a sample storage bottle, closed screw cap

48° shore A

Item no:	Cap colour:	Thickness:
120-0889940	black	3.0 mm

PU= 100 pcs. in PE bag



PP screw hole cap - natural rubber (red-orange)/TEF (transparent), closed

Closed screw cap 48° shore A

Item no:	Cap colour:	Thickness:
120-0591430	black	1.3 mm

PU= 100 pcs. in PE bag



ND18 - Caps/Septen

PP screw hole cap, without septum

GL 18, with hole

Item no:	Cap colour:	Hole Ø :
120-0647748	black	12.0 mm



PU = 100 pcs. in PE bag

PP screw cap, without insert

Closed screw cap, GL 18

Item no:	Cap colour:
120-0590297	black



PU = 100 pcs. in PE bag

Septa

16 mm for snap ring caps ND18

Item no:	Material:	Colour:	Hardness:	Thickness:
120-0589918	Natural rubber/TEF	red	60° shore A	1.3 mm
120-0647755	Viton 1A	black	70° shore A	1.0 mm
120-0589901	Butyl/PTFE	red/grey	55° shore A	1.6 mm
120-0589895	Silicone/aluminium foil	white/silver	50° shore A	1.3 mm
120-0889995	Butyl	dark grey	48° shore A	3.0 mm
120-0890007	Silicone (white)/aluminium foil (silver)	white/silver	50° shore A	1.3 mm

PU = 100 pcs. in PE bag



Snap-on lid bottles

Cost-effective storage containers with snap-on lids. Quick and easy to open and close.

The cap does not require a sealing disc.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:
120-0590150	KG	5 ml	< 300 µl	40 mm	20 mm
120-0590167	KG	10 ml	< 500 µl	50 mm	22 mm

PU = 100 pcs. in PP box



Snap-on lid

The cap does not require a sealing disc.

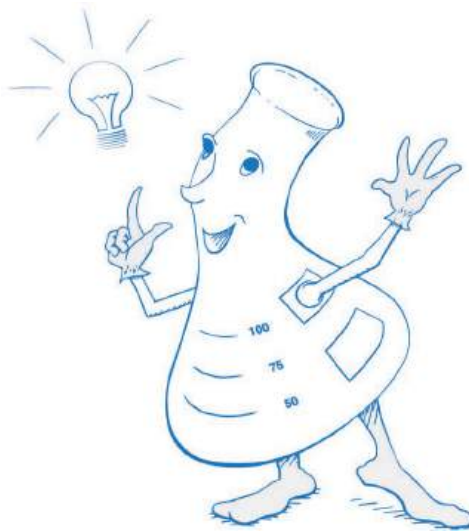
closed snap-on lid

Item no:	Cap colour:	Height:	Ø:
120-0589390	Transparent	5.2 mm	20 mm

PU= 100 pcs. in PE bag

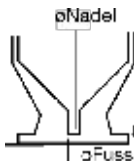


ND 20



Our top products - high quality made in Germany

VMax-Vial - for optimised residual emptying



The large vase vials can stand without support. Ideal for automatic sample preparation. The VMax vial has a cylindrical base.

The "tapered foot" is technically superior when sampling in a sample container.

StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

ND20 - Storage vials

VMax-Vial - for optimised residual emptying

Ideal for automatic sample preparation

Wide opening allows easy filling with viscous substances.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0647359	KG	9.5 ml	43 mm	23 mm
120-0647335	BG	9.5 ml	43 mm	23 mm
120-0647397	KG	19 ml	73 mm	23 mm
120-0647373	BG	19 ml	73 mm	23 mm

PU = 100 pcs. in PP box

StorageVialBox with closed screw cap

With a 20-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0669696	KG	7.5 ml	37 mm	23 mm
120-0669702	BG	7.5 ml	37 mm	23 mm
120-0669719	KG	10 ml	45 mm	23 mm
120-0669726	BG	10 ml	45 mm	23 mm
120-0669733	KG	15 ml	60 mm	23 mm
120-0669757	BG	15 ml	60 mm	23 mm
120-0669764	KG	20 ml	75 mm	23 mm
120-0669788	BG	20 ml	75 mm	23 mm
120-0674027	KG	25 ml	80 mm	23 mm
120-0674034	BG	25 ml	80 mm	23 mm



PU = 100 pcs. in cardboard box, caps available in 6 colours!

Glued-in PTFE-coated PE foam
sealing insert and a 20-425 thread

PU = 100 pcs. in cardboard box,
caps available in 6 colours!

StorageVialBox with screw hole cap

1.6 mm silicone/PTFE septum.

With a 20-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0669818	KG	7.5 ml	37 mm	23 mm
120-0646277	BG	7.5 ml	37 mm	23 mm
120-0646314	KG	10 ml	45 mm	23 mm
120-0646307	BG	10 ml	45 mm	23 mm
120-0646352	KG	15 ml	60 mm	23 mm
120-0646345	BG	15 ml	60 mm	23 mm
120-0646390	KG	20 ml	75 mm	23 mm
120-0646383	BG	20 ml	75 mm	23 mm
120-0646437	KG	25 ml	85 mm	23 mm
120-0646420	BG	25 ml	85 mm	23 mm



PU = 100 pcs. in cardboard box, caps
available in 6 colours!



10 ml wash and waste bottle kit for CTC/PAL

4 x 20 solvent bottles with screw caps blue, yellow, green and red

2 x 10 waste bottles with screw caps white and black Screw caps
complete with diffusion insert

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0388627	KG	10 ml	45 mm	23 mm



PU= 100 pcs in cardboard box

**ND20 - Storage
vials**

PP screw hole cap - silicone (transparent)/PTFE (white)

Caps available in 6 different colours.

With a 20-400 thread.

Item no:	Cap edge:	Thickness:	Hole Ø:
120-0646499	fluted	1.6 mm	12 mm
120-0646529	fluted	3.2 mm	12 mm



PU= 500 pcs. in PET can with screw cap

PP screw hole cap incl. PTFE / silicone septum

Open polypropylene screw cap with silicone/PTFE septum

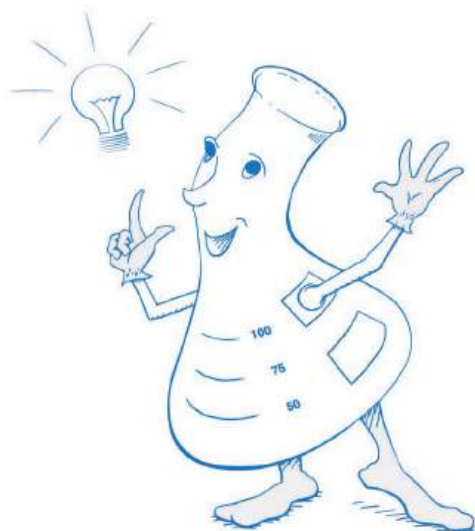
With a 20-400 thread.

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0646543	white	3.4 mm	- mm



PU= 250 pcs.

ND 22



ND22 - Screw Neck Vials/Caps/Septa

Storage bottles with thermoset cap incl. PTFE insert

With closed, heat-resistant Thermoset screw cap (max. 120°C) with PTFE-coated insert

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0645102	KG	120 ml	114 mm	49 mm
120-0456784	BG	120 ml	114 mm	49 mm

PU = 24 pcs.



Snap-on lid bottles

Cost-effective storage containers with snap-on lids. Quick and easy to open and close.

The cap does not require a sealing disc.

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:
120-0647762	KG	15 ml	< 600 µl	48 mm	26 mm
120-0647779	KG	25 ml	< 600 µl	65 mm	26 mm

PU = 100 pcs. in PP box



Snap-on lid

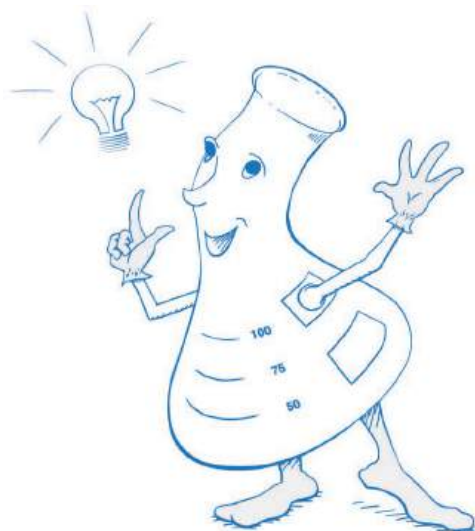
The cap does not require a sealing disc.
closed snap-on lid

Item no:	Cap colour:	Height:	Ø:
120-0589406	Transparent	5.5 mm	23 mm



PU= 100 pcs. in PE bag

ND 24



Our top products - high quality made in Germany



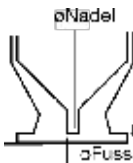
StorageVialBox



Reference samples and retained samples are stored safely in StorageVialBoxes. These stackable boxes made of white cardboard with a 10×10 bottle grid protect the samples. They are easy to transport and keep the cupboard tidy.

The boxes contain 100 vials with screw caps and PTFE-coated inserts.

VMax-Vial - for optimised residual emptying



The large vase vials can stand without support. Ideal for automatic sample preparation. The VMax vial has a cylindrical base.

The "tapered foot" is technically superior when sampling in a sample donor.

ZeroSept® by LABC



ZeroSept® closures are innovative, high-purity and high-quality closures for trace analysis. Only absolutely pure septa, i.e. septa that are as free of blank values as possible, are labelled "ZeroSept®".

Screw Neck Vials

Ideal for Agilent, Dionex, Shimadzu, Tekmar, Thermo Scientific, Varian
EPA vials in clear and amber glass, made from Schott Fiolax tubular glass

Item no:	KG/BG:	Volume:	Rest:	Height:	Ø:
120-0044349	KG	23.3 ml	< 500 µl	57 mm	27.5 mm
120-0044370	BG	23.3 ml	< 500 µl	57 mm	27.5 mm
120-0588683	KG	31.1 ml	< 700 µl	72.5 mm	27.5 mm
120-0588720	BG	31.1 ml	< 700 µl	72.5 mm	27.5 mm
120-0044332	KG	42.9 ml	< 700 µl	95 mm	27.5 mm
120-0588737	BG	42.9 ml	< 700 µl	95 mm	27.5 mm
120-0588706	KG	64.4 ml	< 700 µl	140 mm	27.5 mm
120-0588744	BG	64.4 ml	< 700 µl	140 mm	27.5 mm

PU = 100 pcs. in PP box



VMax-Vial - for optimised residual emptying

Ideal for automatic sample preparation
Wide opening allows easy filling with viscous substances.
With a 24-400 thread

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0461672	KG	19 ml	57 mm	27 mm
120-0461658	BG	19 ml	57 mm	27 mm
120-0461719	KG	39 ml	95 mm	27 mm
120-0461696	BG	39 ml	95 mm	27 mm
120-0461757*	KG	59 ml	140 mm	27 mm
120-0461733*	BG	59 ml	140 mm	27 mm

PU = 100 pcs. in PP box

* 138 pieces shrink-wrapped in half-shell cardboard box



ND24 - Storage vials

StorageVialBox with closed screw cap

With a 24-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0669528	KG	10 ml	37 mm	27 mm
120-0669511	BG	10 ml	37 mm	27 mm
120-0669535	KG	15 ml	47 mm	27 mm
120-0669542	BG	15 ml	47 mm	27 mm
120-0669559	KG	20 ml	57 mm	27 mm
120-0672931	BG	20 ml	57 mm	27 mm
120-0669566	KG	25 ml	68 mm	27 mm
120-0669573	BG	25 ml	68 mm	27 mm
120-0669580	KG	30 ml	78 mm	27 mm
120-0669597	BG	30 ml	78 mm	27 mm
120-0669603	KG	40 ml	95 mm	27 mm
120-0669610	BG	40 ml	95 mm	27 mm
120-0669627	KG	50 ml	118 mm	27 mm
120-0669634	BG	50 ml	118 mm	27 mm
120-0669641	KG	60 ml	140 mm	27 mm
120-0669658	BG	60 ml	140 mm	27 mm



Glued-in PTFE-coated PE foam
sealing insert and a 15-425 thread
PU = 100 pcs. in cardboard box,
caps available in 6 colours!

Septum vials incl. PP screw hole cap

1.6 mm silicone/PTFE septum.

With a 24-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0668880	KG	10 ml	37 mm	27 mm
120-0668897	BG	10 ml	37 mm	27 mm
120-0668941	KG	15 ml	47 mm	27 mm
120-0668958	BG	15 ml	47 mm	27 mm
120-0669009	KG	20 ml	57 mm	27 mm
120-0669016	BG	20 ml	57 mm	27 mm
120-0669078	KG	25 ml	68 mm	27 mm
120-0669085	BG	25 ml	68 mm	27 mm
120-0669252	KG	30 ml	78 mm	27 mm
120-0669269	BG	30 ml	78 mm	27 mm



PU = 100 pcs. in cardboard box, caps available in 6 colours!

Round bottom bearing vials incl. PP screw cap with PTFE insert

With a 24-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:
120-0669665	KG	60 ml	140 mm	27 mm

PU = 100 pcs. in cardboard box, caps
available in 6 colours!



Screw Neck Vials with Round Bottom

Ideally suited for Waters®. Screw-on vial with round base and special cap

With a 24-400 thread.

Item no:	KG/BG:	Volume:	Height:	Ø:	Special features:
120-0669481	KG	60 ml	140 mm	27 mm	1.6 mm septum
120-0669498	KG	60 ml	140 mm	27 mm	1.6 mm septum, slotted
120-0669504	KG	60 ml	140 mm	27 mm	3.4 mm septum
120-0646055*	KG	60 ml	140 mm	27 mm	Without lid

PU = 120 pcs./* 138 pcs. shrink-wrapped in half-shell carton



ND24 - ZeroSept

ZeroSept® AIR The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept®AIR septum PTFEvirginal/AIR/PTFEvirginal has a high level of leak-tightness, even with multiple injections!

The double PTFE film without an elastomer component makes the septum highly pure and very interesting for trace analysis, among other things. In combination with our standard bottles, it fits into all common GC/HPLC systems and can also be moved with your autosampler in the magnetic version.

ND24 - ZeroSept® AIR

ND24 ZeroSept® AIR are ultra-pure PTFE closures. The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept® AIR septum PTFEvirginal/AIR/PTFEvirginal has a high level of tightness, even with multiple injections! The double PTFE film without an elastomer component makes the septum highly pure and very interesting for trace analysis, among other things.

Item no:	Cap colour:	Diaphragm [mm]	Hole Ø [mm]
120-0968294	white	2,5	14
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



Packaging:

All ZeroSept® closures are supplied in a jar. The jar is sealed with a PP screw cap with an integrated PTFE-laminated seal. A clean aluminium foil is also packed between the lid and the closure to ensure that the septa reach the customer free from environmental influences and plasticisers from the packaging, for example. The aluminium foil also stabilises the closures and prevents the septa from opening during transport.

solve.



PP screw hole cap - Butyl (red)/PTFE (grey)

55° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591539	white	2.4 mm	14 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (natural)/PTFE (beige), EPA

Septum in EPA quality

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591508	white	3.2 mm	14 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (white)/aluminium foil (silver)

50° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591553	white	3.0 mm	14 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (natural)/PTFE (beige)

With **cross-slotted** septum 45°

shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591577	white	3.2 mm	14 mm

PU= 100 pcs. in PE bag



PP screw hole cap - silicone (natural)/PTFE (beige), EPA

Septum in EPA quality, **UltraBond closure**

45° shore A

Item no:	Cap colour:	Thickness:	Hole Ø:
120-0591492	white	3.2 mm	14 mm

PU= 100 pcs. in PE bag



ND24 - Caps/Septen

PP screw hole cap - silicone (transparent)/PTFE (white)

Caps available in 6 different colours.
With a 24-400 thread.

Item no:	Cap edge:	Thickness:	Hole Ø:
120-0646505	fluted	1.6 mm	14 mm
120-0646512	fluted	1.6 mm	14 mm
120-0646536	fluted	3.4 mm	14 mm



PU= 500 pcs. in PET can with screw cap

PP screw hole cap - silicone (white)/PTFE (red)

Caps available in 6 different colours.
With a 24-400 thread.

Item no:	Cap edge:	Thickness:	Hole Ø:
120-0646468	fluted	3.1 mm	14 mm



PU= 500 pcs. in PET can with screw cap

PP screw cap with glued-in PTFE-coated insert

With a 24-400 thread. Can be
used up to 80 °C

Item no:	Cap colour:
120-0646710	available in 6 colours



PU= 500 pcs. in PE bag

PP screw cap - butyl (red)/PTFE (grey), closed

Closed screw cap 55° shore
A

Item no:	Cap colour:	Thickness:
120-0209908	white	2.4 mm



PU= 100 pcs. in PE bag

PP screw cap - silicone (natural)/PTFE (beige), EPA

Septum in EPA quality, closed screw cap
45° shore A

Item no:	Cap colour:	Thickness:
120-0591515	white	3.2 mm

PU= 100 pcs. in PE bag



PP screw cap - silicone (white)/aluminium foil (silver)

Closed screw cap 50° shore A

Item no:	Cap colour:	Thickness:
120-0591560	white	3.0 mm

PU= 100 pcs. in PE bag



PP screw cap - Alu-PET/EPE200/Alu-PET

Closed screw cap 55° shore A

Item no:	Cap colour:	Thickness:
120-0647786	white	1.3 mm

PU= 100 pcs. in PE bag



PP screw cap - butyl dark grey

Closed screw cap 48° shore A

Item no:	Cap colour:	Thickness:
120-0891202	white	3.0 mm

PU= 100 pcs. in PE bag



PP screw cap - silicone (natural)/PTFE (beige), EPA

Septum in EPA quality, **UltraBond closure**, closed screw cap 45° shore A

Item no:	Cap colour:	Thickness:
120-0591522	white	3.2 mm

PU= 100 pcs. in PE bag



ND24 - Caps/Septen

PP screw hole cap, without septum

Item no:	Cap colour:	Hole Ø :
120-0590310	white	14.0 mm



PU = 100 pcs. in PE bag

PP screw cap, without insert

Item no:	Cap colour:
120-0590303	white



PU = 100 pcs. in PE bag

Septa

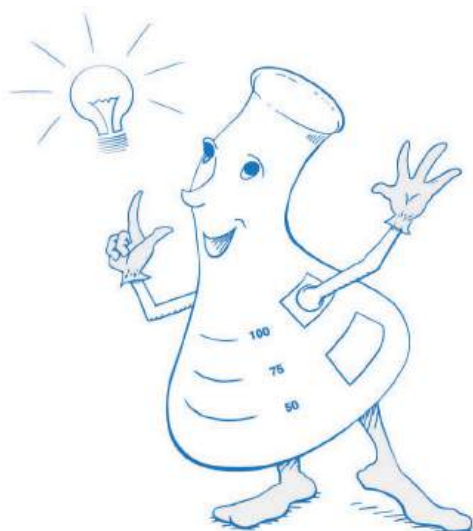
22 mm for snap ring caps ND24

Item no:	Material:	Colour:	Hardness:	Thickness:
120-0590082	Butyl/PTFE	red/grey	55° shore A	2.4 mm
120-0590075	Silicone/PTFE (EPA)	natural/beige	45° shore A	3.2 mm
120-0590099	Silicone/PTFE, x-slit	white/blue	55° shore A	1.5 mm
120-0590105	Silicone/aluminium foil	white/silver	50° shore A	1.3 mm



PU = 100 pcs. in PE bag

Headspace analytics



Our top products - high quality made in Germany

VMax-Vial - for optimised residual emptying



The large vase vials can stand without support. Ideal for automatic sample preparation. The VMax vial has a cylindrical base.

The "tapered foot" is technically superior when sampling in a sample container.

ZeroSept® by LABC



ZeroSept® closures are innovative, high-purity and high-quality closures for trace analysis. Only absolutely pure septa, i.e. septa that are as free of blank values as possible, are labelled "ZeroSept®".

ND18 Headspace fine thread vials

Article no.	KG/BG	Volume [mL]	Remainder [μL]	Height [mm]	Ø [mm]
120-0588751	KG	10	< 800	46	22,5
120-0588775	BG	10	< 800	46	22,5
120-0588768	KG	20	< 800	75,5	22,5
120-0588782	BG	20	< 800	75,5	22,5
PU= 100 pcs in PP box					



ND18 headspace vial with fine thread

Fine thread vials ND18 with optimised residual volume emptying are mainly used in headspace analysis. With the appropriate cap, the sample containers can be moved with an autosampler. Versatile closures are available for the ND18 fine thread vials with optimised residual emptying.

Article no.	KG/BG	Volume [mL]	Height [mm]	Ø [mm]
120-0963312	KG	9,5	45	23
120-0963305	BG	9,5	45	23
120-0963893	KG	19	75	23
120-0963909	BG	19	75	23
PU = 100 pcs PP box				



Optimised residual emptying for each vial - VMAX sample vials

- VMAX - Microvial stands without support
- with optimised residual emptying
- Ideal for automated sample preparation
- Residual volume approx. $\leq 7 \mu$

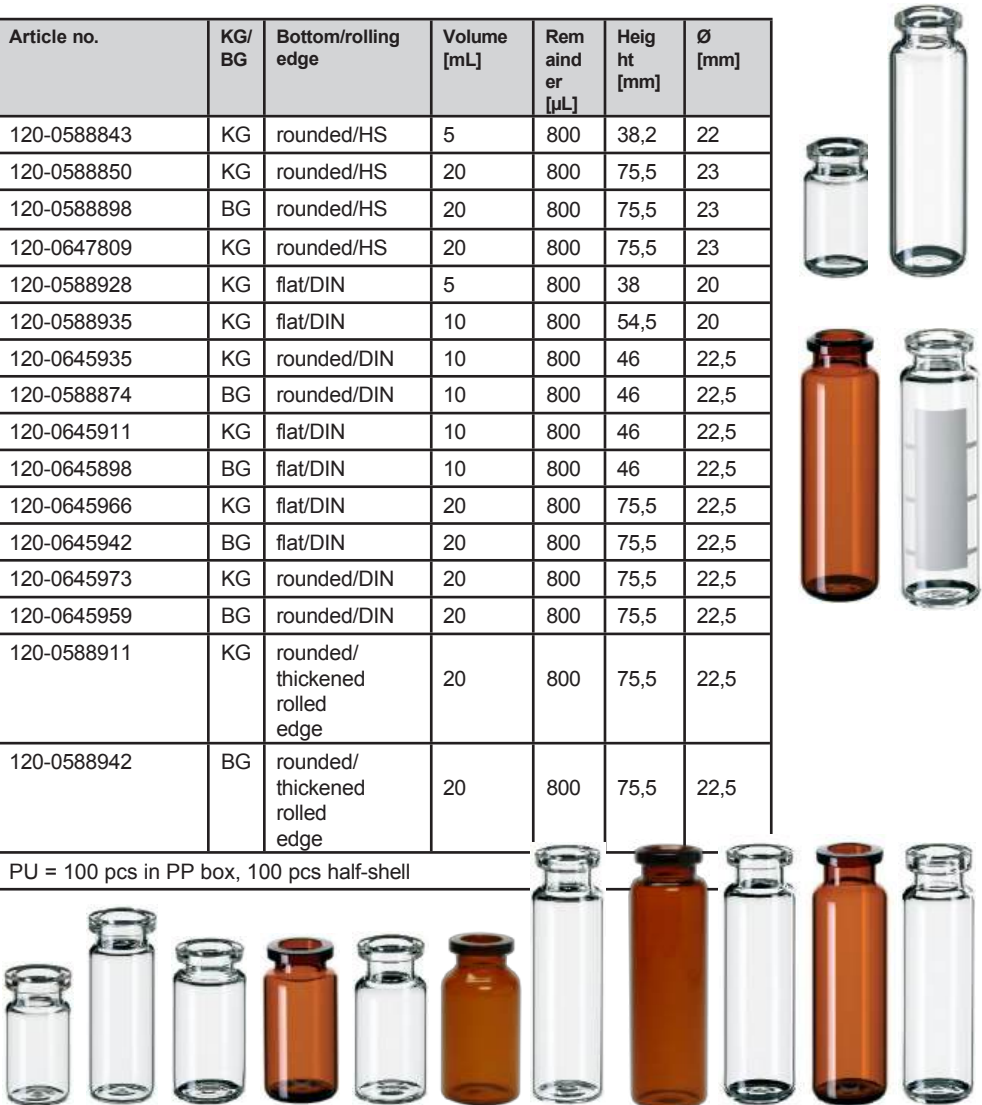
The combination of the magnetic ND18 closures with the VMAX fine thread vials offers seamless integration into automated systems. The uniformly high base ensures precise immersion of the needle to the bottom of the bottle. The uniformity of the base is certified. In the conical bottom area, even small quantities can be safely withdrawn with a microlitre syringe. Use the vial as a container with optimised residual emptying or for phase separation, for example in the DLLME.

Headspace - crimp vials

ND20 Headspace crimp vials

Article no.	KG/ BG	Bottom/rolling edge	Volume [mL]	Remainder [μL]	Height [mm]	Ø [mm]
120-0588843	KG	rounded/HS	5	800	38,2	22
120-0588850	KG	rounded/HS	20	800	75,5	23
120-0588898	BG	rounded/HS	20	800	75,5	23
120-0647809	KG	rounded/HS	20	800	75,5	23
120-0588928	KG	flat/DIN	5	800	38	20
120-0588935	KG	flat/DIN	10	800	54,5	20
120-0645935	KG	rounded/DIN	10	800	46	22,5
120-0588874	BG	rounded/DIN	10	800	46	22,5
120-0645911	KG	flat/DIN	10	800	46	22,5
120-0645898	BG	flat/DIN	10	800	46	22,5
120-0645966	KG	flat/DIN	20	800	75,5	22,5
120-0645942	BG	flat/DIN	20	800	75,5	22,5
120-0645973	KG	rounded/DIN	20	800	75,5	22,5
120-0645959	BG	rounded/DIN	20	800	75,5	22,5
120-0588911	KG	rounded/ thickened rolled edge	20	800	75,5	22,5
120-0588942	BG	rounded/ thickened rolled edge	20	800	75,5	22,5

PU = 100 pcs in PP box, 100 pcs half-shell



ND20 Headspace-VMAX-Vial with 20 mm crimp cap

Article no.	KG/ BG	Volume [mL]	Height [mm]	Ø [mm]
120-0460774	KG	9,5	43	23
120-0460767	BG	9,5	43	23
PU = 100 pcs				



ND20 Headspace-VMAX-Vial with 20 mm crimp cap

Article no.	KG/ BG	Volume [mL]	Height [mm]	Ø [mm]
120-0642651	KG	19	75	23
120-0645980	BG	19	75	23
PU = 100 pcs PP box				

Optimised residual emptying for each vial - VMAX sample vials

- VMAX - Microvial stands without support
- with optimised residual emptying
- Ideal for automated sample preparation
- Residual volume approx. $\leq 7 \mu$

Headspace - ZeroSept

ZeroSept® AIR The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept®AIR septum PTFEvirginal/AIR/PTFEvirginal has a high level of leak-tightness, even with multiple injections!
The double PTFE film without an elastomer component makes the septum highly pure and very interesting for trace analysis, among other things. In combination with our standard bottles, it fits into all common analysis systems and can also be moved with your autosampler in the magnetic version.

ND18 - ZeroSept® AIR

- Magnetic fine-thread screw cap made of steel and PTFEvirginal/AIR/PTFEvirginal septum
- Very good sealing properties
 - phthalate-free closure system
 - Elastomer, silicone and halogen-free
 - consists entirely of virgin PTFE
 - No punching out of elastomer septum particles by syringe cannula possible
 - for liquid-liquid extractions (e.g. MOSH MOAH)
 - Suitable for trace analysis and **multiple injections**

Item no:	Cap colour:	Diaphragm [mm]	Hole Ø [mm]
120-0916660	silver	[mm] 2,5	8
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



ZeroSept® AIR The new septum seal with an air cushion instead of an elastomer for standard vial closures. Thanks to its innovative design, the ZeroSept®AIR septum PTFEvirginal/AIR/PTFEvirginal has a high level of leak-tightness, even with multiple injections!
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- phthalate-free closure system
- Elastomer, silicone and halogen-free
- consists entirely of virgin PTFE
- No punching out of elastomer septum particles by syringe cannula possible
- for liquid-liquid extractions (e.g. MOSH MOAH)
- Suitable for trace analysis and **multiple injections**

Aluminium flared cap + magnetic ring + ZeroSept® AIR

Item no:	Cap colour:	Diaphragm [mm]	Hole Ø [mm]
120-0916660	silver	2,5	8
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



Steel crimp cap + magnetic + ZeroSept® AIR

Item no:	Thickness [mm]	Hole Ø [mm]	Colour/cap	Picture
120-0916691	2,5	2	Steel silver magnetic	1
120-0916707	2,5	8	Steel silver magnetic	2
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal				



Aluminium crimp cap, painted + magnetic + ZeroSept® AIR

Article no.	Thickness [mm]	Hole Ø [mm]	Colour/cap	Picture
120-0916677	2,5	10	colourless	1
120-0916738	2,5	10	Complete tear-off, colourless	2
120-0916721	2,5	10	Colourless Centre tear	3
120-0916684	2,5	10	Colourless Overpressure protection	4
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal				



ZeroSept® FUN are high-purity septumless funnels (inner funnel) ND9 short thread cap is ideal for precise analyses. Even with multiple punctures, the innovative FUNnel ensures that the sample remains in the vial. The PP short thread cap is supplied with an inert and plasticiser-free funnel-shaped polypropylene sealing element.

ND18 - ZeroSept® FUN

The high-purity septumless funnel (inner funnel) ND18 fine thread cap is ideal for precise analyses. Even with multiple piercings, the innovative FUNnel ensures that the sample remains in the vial. The magnetic aluminium fine-thread cap is supplied with an inert and plasticiser-free funnel-shaped polypropylene sealing element.

ZeroSept® FUN is very inert and resistant to most chemicals. The very thin membrane for piercing is easy to pierce with all standard syringes. Puncturing polypropylene does not generate any particles and allows it to be used in a wide temperature range from -0 °C to 100 °C

ZeroSept® FUN is recommended for Pfas analyses, for example

Item no:	Cap colour:	Membrane:	Hole Ø:
120-0967884	silver	2.5 mm	8mm
PU= 100 pcs. in screw-top jar with orange lid with PTFE seal			



ND18 Headspace closures

Magnetic screw hole cap - Silicone(blue) / PTFE(white)

Article no.	Thickness	Hole Ø]
120-0591379	1.3 mm	8 mm
PU= 100 pcs in PE bag		



Magnetic screw hole cap - Silicone(white) / PTFE(blue)

Article no.	Thickness	Hole Ø
120-0591362	1.5 mm	8 mm
PU= 100 pcs in PE bag		



Magnetic screw hole cap - silicone (white) / aluminium (silver)

Article no.	Thickness	Hole Ø
120-0591409	1.3 mm	8 mm
PU= 100 pcs in PE bag		



Magnetic screw hole cap - Butyl(red) / PTFE(grey)

Article no.	Thickness	Hole Ø
120-0647793	1.6 mm	8 mm
PU= 100 pcs in PE bag		



Headspace - crimp vials/crimp caps

Aluminium flared cap - Butyl

Article no.	Cap type/colour	Hole Ø
120-0587587	Standard cap/aluminium	10 mm
120-0647816	Headspace cap/aluminium	
120-0587655	Centre tear-off/aluminium	
120-0587662	Complete tear-off,	
120-0647823	magnetic/silver	6 mm
120-0587679	magnetic/silver	8 mm



Aluminium flare cap - Butyl / PTE(grey)

Article no.	Cap type	Hole Ø
120-0587365	Standard cap/aluminium	10 mm
120-0587419	Headspace cap/aluminium	
120-0587686	Centre tear-off/aluminium	
120-0587495	Complete tear-off,	
120-0587440	magnetic/silver	6 mm
120-0587594	magnetic/silver	8 mm
120-0587396	magnetic, bimetal/blue	8 mm



Aluminium crimp cap (Pharma-Fix closure) - Butyl / PTFE(grey)

Article no.	Cap type	Hole Ø
120-0587358	Standard cap / aluminium	10 mm
120-0587426	Headspace cap/aluminium	
120-0587501	Centre tear-off/aluminium	
120-0587341	Complete tear-off,	
120-0587433	magnetic/silver	6 mm
120-0587600	magnetic/silver	8 mm
120-0587389	magnetic, bimetal/blue	8 mm



The following applies to the page:

Thickness: 3.0 mm

PU= 100 pcs in PE bag, temperature range: -40°C - +120°C

Aluminium flared cap - Silicone(blue) / PTFE(white)

Article no.	Cap type	Hole Ø
120-0587334	Alu Crimp Cap	10 mm
120-0587402	Headspace cap/aluminium	
120-0587518	Centre tear-off/aluminium	
120-0587310	Complete tear-off,	
120-0587457	magnetic/silver	6 mm
120-0587624	magnetic/silver	8 mm
120-0587372	magnetic, bimetal/blue	8 mm



Aluminium flared cap - silicone (white) / PTFE (beige), HT quality

Article no.	Cap type	Hole Ø
120-0587761	Alu Crimp Cap	10 mm
120-0587778	Headspace cap/aluminium	
120-0587785	magnetic/silver	8 mm
120-0587792	magnetic, bimetal/blue	8 mm



Aluminium flared cap - silicone (natural) / PTFE (beige), HT quality

Article no.	Cap type	Hole Ø
120-0587693	Alu Crimp Cap	10 mm
120-0587631	Headspace cap/aluminium	
120-0587730	magnetic/silver	8 mm



The following applies to the page:

PU= 100 pcs in PE bag, temp. range: -60°C - +200°C

Silicone(blue) / PTFE(white) Septum 3.0 mm thick

Silicone(white) / PTFE(beige), HT quality septum 3.2 mm thick

Silicone(natural) / PTFE(beige), HT quality septum 3.2 mm thick

Headspace - Flare caps

Aluminium flared cap - Silicone(white) / PTFE(beinge)

Article no.	Cap type	Hole Ø
120-0587532	Alu Crimp Cap	10 mm
120-0587549	Headspace cap/aluminium	
120-0647830	Centre tear-off/aluminium	
120-0647847	Complete tear-off,	
120-0647854	magnetic/silver	6 mm
120-0587563	magnetic/silver	8 mm
120-0587556	magnetic, bimetal/blue	8 mm



Septum thickness: 3.0mm

PU= 100 pcs in PE bag, temperature range: -60°C - +200°C

Aluminium flared cap - silicone(white) / aluminium(silver)

Article no.	Cap type	Hole Ø
120-0587464	Alu Crimp Cap	10
120-0587488	Headspace cap/aluminium	
120-0587723	Centre tear-off/aluminium	
120-0587471	Complete tear-off,	
120-0647861	magnetic/silver	6
120-0587747	magnetic/silver	8
120-0587716	magnetic, bimetal/blue	8



Thickness of the septum: 3.0mm

PU= 100 pcs in PE bag, temperature range: -60°C - +220°C

Aluminium flared cap - HTS Silicone(dark red) / PTFE

Article no.	Cap type	Hole Ø
120-0647878	Alu Crimp Cap	10 mm
120-0647885	Headspace cap/aluminium	
120-0647892	Centre tear-off/aluminium	
120-0647908	Complete tear-off,	
120-0587808	magnetic/silver	6 mm
120-0647915	magnetic/silver	8 mm
120-0647922	magnetic, bimetal/blue	8 mm



Thickness of the septum: 3.0mm

PU= 100 pcs in PE bag, temperature range: -60°C - +260°C

Magnetic closures SPME vials

Article no.	Material	Colour	Thickness	Hole Ø [mm]
120-0587617	Silicone/PTFE	white/blue	1.5 mm	8
120-0587709	Viton 1A	black	1.0 mm	8
120-0587815	Silicone/aluminium	white/silver	1.3 mm	8
PU= 100 pcs in PE bag, temperature range: -40°C - +240°C				



Magnetic aluminium crimp caps with standard sealing washers

Article no.	Material	Colour	Thickness [mm]	Hole Ø [mm]
120-0404624	BK without PTFE	grey	3,1	10
120-0404631	Moulded disc butyl/ PTFE	grey/grey	3,1	10
120-0396769	Butyl/PTFE	grey/grey	3,0	10
120-0404792	Silcon/PTFE	blue/white	3,1	10
120-0404808	Silicone/PTFE	white/beige	3,1	10
120-0404822	Silicone/aluminium	white/silver	3,1	10
120-0404839	Silicone/PTFE 0,5mm	white/blue	1,5	10
120-0404846	Punching disc BK / PTFE	red-brown/light grey	2,4	10
PU= 100 pcs in PE bag				



Magnetic aluminium crimp caps with sandwich sealing discs

Article no.	Material	Colour	Thickness [mm]	Hole Ø [mm]
120-0403979	PTFE/Silicone/PTFE	virginal/white/beige	3,2	10
120-0403986	Aluminium/silicone/aluminium	silver/white/silver	3,0	10
120-0404600	Aluminium/Silicone/PTFE	silver/white/blue	1,5	10
120-0404617	PTFE/Silicon/PTFE	white/white/blue	1,5	10
120-0404853	Punching disc BK/PTFE/aluminium	red-brown/light grey/silver	2,5	10
PU= 100 pcs in PE bag				

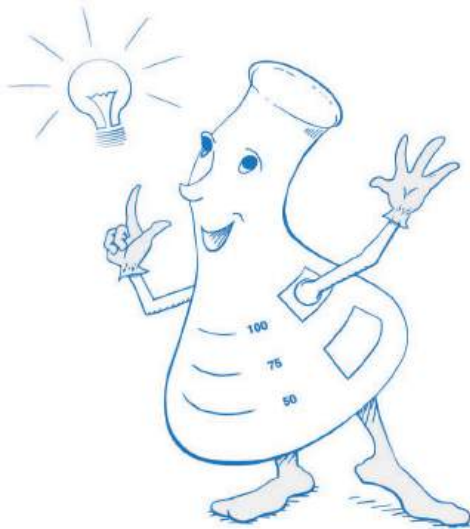


Septa

Article no.	Material	Colour	Hardness	Thickness
120-0590051	Moulded disc, butyl	grey	55° shore A	3.0 mm
120-0590020	Moulded disc, butyl/PTFE	grey	50° shore A	3.0 mm
120-0590013	Pharma-Fix, butyl/PTFE	grey	50° shore A	3.0 mm
120-0590006	Silicone/PTFE	blue/white	45° shore A	3.0 mm
120-0647939	Silicone/PTFE	blue/clear	45° shore A	3.0 mm
120-0590037	Silicone/aluminium	white/silver	50° shore A	3.0 mm
120-0647946	Vitan 1A	black	70° shore A	1.0 mm
120-0647953	Silicone/PTFE	white/blue	55° shore A	1.5 mm
120-0590044	Silicone/PTFE	white/beige	45° shore A	3.0 mm
120-0647960	Silicone/PTFE, HT quality	white/beige	45° shore A	3.2 mm
120-0590068	Silicone/PTFE, HT quality	natural/beige	45° shore A	3.2 mm
120-0647977	HTS, silicone/PTFE	dark red	45° shore A	3.0 mm
PU= 100 pcs in PE bag				



Liophilisation



Autoclavable screw-top bottles

Article no.	KG/ BG	Thread	Volume [ml]	Height [mm]	Ø [mm]	PU [pcs.]
120-0457392	KG	GL 14	3	36	18	320
120-0457385	BG	GL 14	3	36	18	320
120-0645430	KG	GL 14	5	41	18	320
120-0457408	BG	GL 14	5	41	18	288
120-0457422	KG	GL 18	10	50	25	154
120-0457415	BG	GL 18	10	50	25	154
120-0645454	KG	GL 18	20	55	30	99
120-0645447	KG	GL 18	20	63	28	130
120-0457446	BG	GL 18	20	63	28	130
120-0457460	KG	GL 18	25	63	32	99
120-0457453	BG	GL 18	25	63	32	99



Screw caps

Article no.	Material	Cap colour	Thread
120-0457521	PP	white	GL 14
120-0457538	PP with PE insert	white	GL 14
120-0457545	PP	white	GL 18
120-0457514	PP	red	GL 18
120-0457552	PP with PE insert	white	GL 18
PU= 100 pcs			



120-0457545



120-0457514



120-0457552

Stopper

Article no.	Ø [mm]	Material/colour
120-0457569	14	Butyl rubber / grey
120-0457682	20	Butyl rubber / grey
PU= 100 pcs		



Autoclavable crimp vials

Article no.	Info	KG/BG	Volume [ml]	Height	Ø [mm]	PU [pcs.]
120-0645386	internal favours	KG	2	32 mm	16	344
120-0645393	flatter Floor	KG	2	32 mm	16	344
120-0645355		KG	2	33 mm	15	466
120-0645416		KG	3	35 mm	16	352
120-0645409		BG	3	35 mm	16	344
120-0645362	siliconised	KG	3	36 mm	15	423
120-0645379		KG	3	37 mm	15	100
120-0674072		BG	4	45 mm	16	100
120-0674089		KG	4	45 mm	16	100
120-0645423		BG	5	50 mm	16	387



Autoclavable aluminium crimp caps

Article no.	Cap type
120-0457378	Complete tear-off, silver
120-0647984	Flip cap, red
PU= 100 pcs	



Autoclavable stoppers

Article no.	Plug type	PU
120-0457361	Freeze-dry stopper, bromobutyl, grey	1000
120-0948197	Injection plugs, chlorobutyl, grey	1000



Autoclavable crimp vials

Article no.	Info	KG/ BG	Volume [ml]	Height [mm]	Ø [mm]	PU [pcs.]
120-0645461	inside remunerated	KG	6	38	21	202
120-0645485		KG	6	40	22	189
120-0645478		BG	6	40	22	186
120-0457606		BG	10	45	24	165
120-0645492		KG	10	45	24	154
120-0645508	inside remunerated	KG	10	45	24	156
120-0645911	flatter Floor	KG	10	46	23	100
120-0645898	flatter Floor	BG	10	46	23	100
120-0645515	inside remunerated	KG	15	60	24	156
120-0645539		KG	20	55	30	96
120-0645522		BG	20	55	30	96
120-0645546	inside remunerated	KG	25	65	30	99
120-0647991		KG	30	75	30	100
120-0648004		BG	30	75	30	100
120-0648011		KG	20	58	32	100
120-0648028		BG	20	56	32	100
120-0645560		KG	30	62	36	156
120-0645553		BG	30	62	36	100
120-0457637		KG	50	73	43	48
120-0645577		BG	50	73	43	48
120-0457583		KG	100	95	52	35
120-0457644		BG	100	95	52	



Flip-off flared cap

Article no.	Cap type/colour
120-0648035	Centre tear-off, natural
120-0648042	Centre tear-off, white
120-0648059	Centre tear-off, yellow
120-0648066	Centre tear-off, orange
120-0648073	Centre tear-off, red
120-0648080	Centre tear-off, lavender
120-0648097	Centre tear-off, violet
120-0648103	Centre tear-off, dark blue
120-0648110	Centre tear-off, blue
120-0648127	Centre tear-off, turquoise
120-0648134	Centre tear-off, dark green
120-0648141	Centre tear-off, green
120-0648158	Centre tear-off, yellow-green
120-0648165	Centre tear-off, black
PU= 1,000 pcs	



Stopper

Article no.	Material/colour
120-0457699	Silicone
120-0457668	Butyl rubber / grey
120-0457675	Butyl rubber/PTFE / grey/black
120-0645584	Butyl rubber / grey
120-0457682	Butyl rubber / grey
120-0648172	Chlorobutyl / red-brown
120-0648189	Bromobutyl / red-brown
120-0648196	Bromobutyl / grey
120-0648202	Bromobutyl / light grey
120-0648219	Butyl rubber / light grey
120-0590013	Pharma-Fix (Butyl/PTFE)
PU= 100 pcs	



Aluminium centre tear-off flared cap

Article no.	Colour
120-0648226	silver
120-0648233	blue
120-0648240	gold
120-0648257	green
120-0648264	red
PU= 1,000 pcs per PE bag	

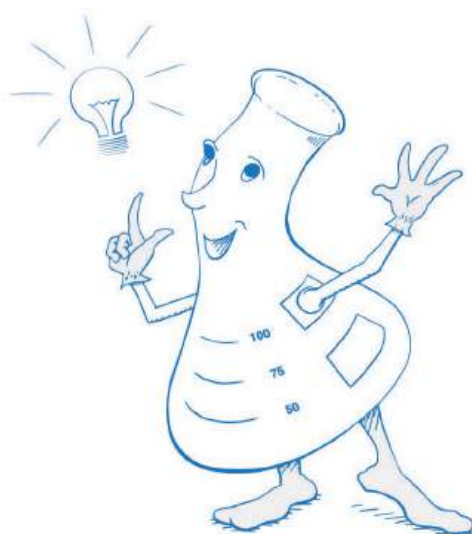


Complete tear-off, aluminium flared cap

Article no.	Colour
120-0674096	silver
120-0648271	green
120-0648288	red
120-0648295	blue
120-0648301	gold
PU= 1,000 pcs per PE bag	



TOC / VOC Vials



Pre-cleaned vials for TOC and VOC

TOC-certified vials TOC < 10ppm

Septum vials incl. PP screw hole cap - 1.5mm silicone/PTFE septum

Article no.	KG/ BG	Thread	Volume [ml]	Height [mm]	Ø [mm]
120-0405539	KG	24	40	95	27
120-0405546	BG	24	40	95	27
120-0408004	KG	24	60	140	27
PU= 72 pcs in cardboard box					



PrePreserved® Vials for VOC analysis using purge-and-trap septum vials incl. PP screw hole cap - 3.2mm silicone/PTFE septum

Article no.	KG/ BG	Thread	Volume [ml]	Height [mm]	Ø [mm]
120-0645645	KG	24	40	95	27
120-0645652	BG	24	40	95	27
Pre-cleaned according to cleaning process P2, with cleaning certificate, filled with 0.5 ml hydrochloride acid, PU= 72 pcs cardboard box					



Pre-cleaned vials with cleaning certificate

for pesticide analyses (P1)

1. Vial, septum and screw cap are washed with a biodegradable laboratory detergent
2. Rinsed several times with tap water
3. Rinsed several times with ASTM type 1 deionised water
4. Rinse several times in 1:1 HNO₃ (nitric acid) & solvent
5. dried in the oven
6. Vial and cap assembled in the clean room

for VOC analyses (P2)

1. Vial, septum and screw cap are washed with a biodegradable laboratory detergent
2. Rinsed several times with tap water
3. Rinsed several times with ASTM type 1 deionised water
4. dried in the oven
5. Vial and cap assembled in the clean room

for metal, cyanide, sulphide and fluoride analysis (P3)

1. Vial, septum and screw cap are washed with a biodegradable laboratory detergent
2. Rinsed several times with tap water
3. Rinsed several times with ASTM type 1 deionised water
4. rinsed several times in 1:1 HNO₃ (nitric acid)
5. dried in the oven
6. Vial and cap assembled in the clean room

for nitrate/nitrite analysis (P4)

1. Vial, septum and screw cap are washed with a biodegradable laboratory detergent
2. Rinsed several times with tap water
3. Rinsed several times with ASTM type 1 deionised water
4. rinsed several times in 1:1 H₂ SO₄ (sulphuric acid)
5. dried in the oven
6. Vial and cap assembled in the clean room

Vials with screw cap incl. PTFE insert

Article no.	KG/BG	Thread Ø [mm]	Volume [ml]	Heig ht [mm]	Ø [mm]	PU [pcs.]
120-0645737	KG	58	125	68	60	24
120-0645720	BG	58	125	68	60	24
120-0645744	KG	70	250	89	72	12
120-0645751	BG	70	250	89	72	12
120-0645768	BG	33	950	175	99	12
Please specify the desired cleaning process when ordering (P1-P4)						



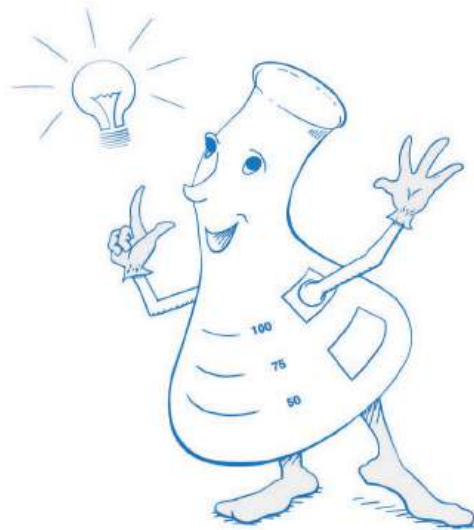
Vials with screw hole cap - Silicone / PTFE septum

Article no.	KG / BG	Septum [mm]	Thread Ø [mm]	Volume [mL]	Height [mm]	Ø [mm]	PU [pcs.]
120-0645638	KG	3,2	24	20	57	27	72
120-0645621	BG	3,2	24	20	57	27	72
120-0645683	KG	1,5 Welded with cap	24	40	95	27	72
120-0645669	KG	3,2	24	40	95	27	72
120-0645676	BG	3,2	24	40	95	27	72
120-0645690	KG	3,2	24	60	140	27	72
120-0645706	BG	3,2	24	60	140	27	72
120-0645713	KG	3,2	24	250	71	60	12

Please specify the desired cleaning process when ordering (P1-P4)



Refinements



Vials with screw cap incl. PTFE insert

Barcode labels make sample handling easier. Sample information is stored on the barcode and can be recorded electronically in an efficient and error-free manner.

The barcode can store a relatively large amount of information in a small space. The information on the sample, e.g. composition of the sample, information on synthesis, toxicity, storage conditions, etc. must be documented.

To ensure that the barcode scanner reads the code correctly, the code must not be blurred. It is therefore advisable to use a solvent-resistant barcode label. The label can be laminated for additional protection.

Barcode labelling

- Barcode labels can be designed according to the customer's specifications. It is also possible, for example, to include the company logo.
- Labels are available for vials from 2 ml volume.
- Barcode labels are available directly applied to the vial or just the Label.

Barcode laser printing

- The barcode is applied to the vial using laser printing.
- Barcode and 2D matrix code are possible.



Numbering

V μ -Vial with numbering

Agilent-compatible V μ vial made of amber borosilicate glass, dimensions 12 x 32 mm, 1.2 ml with small residual volume, consecutively numbered from 1 - 100.



Silanised autosampler vials

Silanisation binds active sites in the glass. This prevents the substance to be tested from interacting with active sites on the glass surface.

Typical applications are: Proteins, analysis of blood serum, analysis of therapeutic drugs

e.g: Autosampler bottles

Article no.	KG/BG	Head	Volume [μ L]	Heig ht [mm]	Ø [mm]
120-0455305	KG	Flanging	250	32	12
120-0455220	BG	Flanging	250	32	12
120-0455466	KG	Snap	250	32	12
120-0455398	BG	Snap	250	32	12
120-0455848	KG	Thread	250	32	12
120-0455770	BG	Thread	250	32	12
PU=100 pcs PP box					



Since June 2015, our Swiss partner company infochroma has had its own clean room in which vials and closures are cleaned, sterilised and depyrogenated according to customer-specific requirements.

The offer from the clean room

- Washing with demineralised water (deionised/fully demineralised water)
- Low-dust packaging
- Hot air sterilisation
- Hot air depyrogenisation
- Sterilisation using e-beam in collaboration with contractual partners
- Customised pack sizes
- Customised compilation of products per pack
- Production of small and large quantities

Cleaning the products in the lab washer

The actual cleanroom process begins with cleaning the products in the laboratory washer. The products are washed with deionised water $< 50 \mu\text{S}$ (deionised, demineralised water). Rinsing with other demineralised water values is also possible at the customer's request.

Packing under LAF

The washed products are then packed in an SBS (sterile barrier system) under LAF (product protection workbench).



Process	Typical application	Description of the
Pyrogen-free reduced by 3 tens of potencies	Stem pharmaceuticals, liophilisation, stability studies, clinical trials, final packaging for pharmaceuticals	During depyrogenation, endotoxins are destroyed and removed. Endotoxins are substances that are found in the cell walls of certain bacteria and cause fever. In pyrogen-free products, the endotoxin content is reduced by 99.9 % reduced.
Hot air sterilisation	Stem pharmaceuticals, stability studies, clinical trials	Sterilisation of glass by feeding Hot air
Radiation sterilisation	Stem pharmaceuticals, stability studies, clinical test series, final packaging for pharmaceuticals	For the sterilisation of glass, stoppers, septa and caps as well as plastic bottles: gamma radiation kills all living organisms including microorganisms and their spores. A typical radioactive dose is 25 - 40 kGy, the degree of sterilisation achieved is 10^{-6} .

The sets each consist of a pack with batch-specific certificate, containing 50 x individual packs, sterile & pyrogen-free.

- favourable price
- Short delivery time
- Small quantities available

[illegible]

sterile and pyrogen-free

The following products can be ordered as a standard set:

Crimp vials

Article no.	Thread	KG/BG	Volume [mL]	Height	Ø [mm]
120-0642736	ND 13	KG	3	35 mm	16
120-0642743	ND 13	BG	3	35 mm	16
120-0642781	ND 20	KG	6	40 mm	22
120-0642811	ND 20	BG	6	40 mm	22
120-0642798	ND 20	BG	10	45 mm	23
120-0642804	ND 20	KG	10	45 mm	23
120-0642835	ND 20	KG	50	73 mm	43
120-0642828	ND 20	BG	50	73 mm	43



Aluminium flare caps

Article no.	Size	Cap type
120-0642750	ND 13	Complete tear-off, silver
120-0642842	ND 20	Complete tear-off, silver



Stopper

Article no.	Size	Plug type
120-0642767	ND 13	Chlorobutyl, grey
120-0642859	ND 20	Chlorobutyl, grey



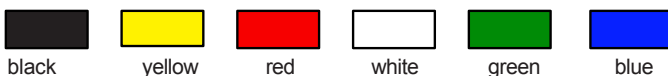
We are also happy to offer you many other products from our catalogue in sterile & pyrogen-free packaging and individual pack sizes.

Please contact us!

The LABC team will also develop for you, or in co-operation with you, closure systems and special vials for your problem.

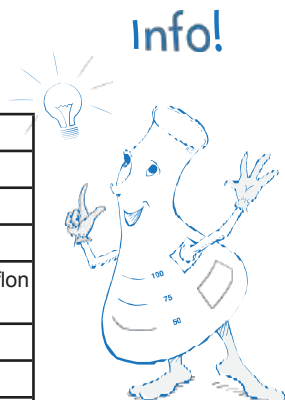
Talk to us!

Many of our screw/screw hole caps are available in 6 different colours, please specify the colour in addition to the article number when ordering.



Abbreviations

ND	Nominal diameter
KG	Clear glass
BG	Amber glass
PTFE	Polytetrafluoroethylene
TEF	Tefzel (special type of PTFE consisting of a thin Teflon cast film)
TPF	
PP	Polypropylene
PE	Polyethylene
PET	Polyethylene terephthalate
SW	Width across flats (open-end spanner)
EPO	Environmental Protection Association (American regulatory authority that sets regulations and certain standards for analyses in the environmental sector)
Pharma-Fix	A Pharma-Fix septum is a butyl/PTFE moulded disc. Its PTFE coating is only applied to the centre of the disc, where the sample can come into contact with the septum.
RedRubber	RedRubber/PTFE is a synthetic rubber that is softer than natural rubber/TEF and also shows less fragmentation, but due to a different material structure, RedRubber does not have the same outstanding resealing properties as natural rubber for multiple injections.

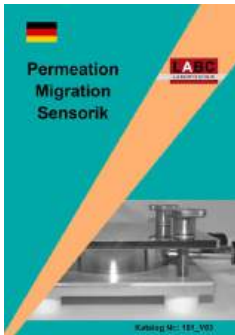


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