

**BROWN**  
CHROMATOGRAPHY SUPPLIES





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## **CLEANROOM- 10.000**

All autosampler vials are packed in pharmaceutical cleanroom according to following classifications.

- VDI 2083 class 5
- US Federal Standard 209E class 10.000
- ISO 14611-1 class 7

## **QUALITY CONTROL**

Is carried out in accordance to ISO 9001.

## **GLASS QUALITY**

All autosampler vials are manufactured from SCHOTT™ borosilicate glass of 1. hydrolytic class. Insuring consistent quality in every vial.

## **VIAL PRODUCTION MACHINES**

Autosampler vials are manufactured with the newest technology equipment. Each vial is controlled by opto-electronic devices during the production.

## **SPECIAL PRODUCTION**

We can manufacture any vial design you may require. We can supply any septa with requested durometer, diameter and thickness.

## **VIALS WITH PRE-ASSEMBLED CLOSURES**

We can supply any vial with mounted screw caps or crimp seals. These are often required for analysis of smoke by the tobacco industry.

## **AUTOSAMPLER VIAL PACKAGING**

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Please see photo on the inside of the cover page.

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# PLASTIC VIALS



## PLASTIC MICRO VIALS

POLYPROPYLENE

These vials are precision injection-molded and fit a variety of autosamplers. Polypropylene provides safety from breakage and dimension tolerance reliability for capping and instrumentation use.

These vials are non-ionic, minimizing pH changes and ion contamination.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### CRIMP VIALS

158000	0.3ml	12x32mm	11mm	1000 pcs
158003	0.3ml	12x32mm	11mm	100 pcs

### SCREW VIALS

158005	0.3ml	12x32mm	9-425	1000 pcs
158008	0.3ml	12x32mm	9-425	100 pcs



## PLASTIC MICRO VIALS AMBER

POLYPROPYLENE

These vials have UV protection.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### CRIMP VIALS

158020	0.3ml	12x32mm	11mm	1000 pcs
158021	0.3ml	12x32mm	11mm	100 pcs

### SCREW VIALS

158023	0.3ml	12x32mm	9-425	1000 pcs
158024	0.3ml	12x32mm	9-425	100 pcs



## PLASTIC VIALS

POLYPROPYLENE

These vials are precision injection-molded and fit a variety of autosamplers. Polypropylene provides safety from breakage and dimension tolerance reliability for capping and instrumentation use.

These vials are non-ionic, minimizing pH changes and ion contamination.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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158001	0.7ml	12x32mm	11mm	1000 pcs
158004	0.7ml	12x32mm	11mm	100 pcs



## TOPAS® VIALS WITH GLASS INSERTS

TOPAS

Limited volume inserts are type 1 borosilicate glass with a maximum volume of 300µl. The only contact between your product and the seal is the borosilicate glass insert which is compatible with organic solvents for gas and liquid chromatography.

These transparent vials are an economical alternative to glass vials with fused inserts. Possible breakage of the insert is reduced to a minimum.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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158050	0.3ml	12x32mm	11mm	100 pcs
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# HEADSPACE VIALS



## AGILENT H-P 7694, G1888

Vials 151102 and 151109 have a beveled top and standard bottom. Vials 151114 have a standard neck and bottom.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151114	6ml	22x38mm	9301-1419	100 pcs
151109	10ml	22x46mm	5182-0838	100 pcs
151102	20ml	22x75mm	5182-0837	100 pcs

## CTC

### COMBI PAL®

All vials have a strengthened base with a specific radius design which will withstand internal pressure during analysis.

Use magnetic crimp seals on page 6.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
157100	10ml	22x46mm	100 pcs
157101*	10ml	22x46mm	100 pcs
157102	20ml	22x75mm	100 pcs
157103*	20ml	22x75mm	100 pcs

\* amber glass

## DANI

### HSS39.50, HSS86.50

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
152810	10ml	22x46mm	100 pcs
152800	20ml	22x75mm	100 pcs

## FISONS- CARLO-ERBA

### HS500, HS850

The HS500 uses magnetic crimp seals with smaller hole.

Use magnetic crimp seals on page 6.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151107	10ml	23x46mm	100 pcs

## HTA

### HT280T

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
157100	10ml	22x46mm	100 pcs
157102	20ml	22x75mm	100 pcs

## PERKIN-ELMER

### F42, F45, HS40, HS100, HS101, HS110, HS6, HS16

All vials have a strengthened base with a specific radius design which will withstand internal pressures during analysis. Special crimp neck design (beveled top) prevents sample leakage at high temperatures.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151105	6ml	22x38mm	N9302134	100 pcs
151107	10ml	23x46mm	N6356478	100 pcs
151104	20ml	23x75mm	N9306216	100 pcs
151108*	20ml	23x75mm		100 pcs

\* amber glass

# HEADSPACE VIALS



## SHIMADZU HSS-2B, AOC-5000

AOC-5000 uses magnetic crimp seals on page 6.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
<b>AOC-5000</b>				
151107	10ml	23x46mm		100 pcs
151103	20ml	23x75mm		100 pcs
<b>HSS-2B</b>				
151199	27ml	30x58mm	221-29083-91	100 pcs

## THERMO HS2000, Finnigan Triplus

Finnigan Triplus uses magnetic crimp seals on page 6.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
<b>HS2000</b>				
151107	10ml	23x46mm		100 pcs
151103	20ml	23x75mm		100 pcs
<b>Finnigan Triplus</b>				
151107	10ml	23x46mm		100 pcs
151103	20ml	23x75mm		100 pcs

## TELEDYNE TEKMAR HT3, VERSA, 7000/7050

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151104	20ml	23x75mm	14-4440-324	100 pcs



## VARIAN GENESIS, 8200CX, CP-8400, CP-8410, ULTRA GC/MS

CP 8000 Series Combi PAL uses magnetic crimp seals on page 6.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
<b>GENESIS</b>				
151105	6ml	22x38mm	392611857	100 pcs
151103	20ml	23x75mm	392611675	100 pcs
<b>CP8000 Series Combi PAL™</b>				
151107	10ml	23x46mm	392611677	100 pcs
151103	20ml	23x75mm	392611675	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA ALUMINUM

Crimp seals 20mm with center hole. Use only when internal pressure is low.

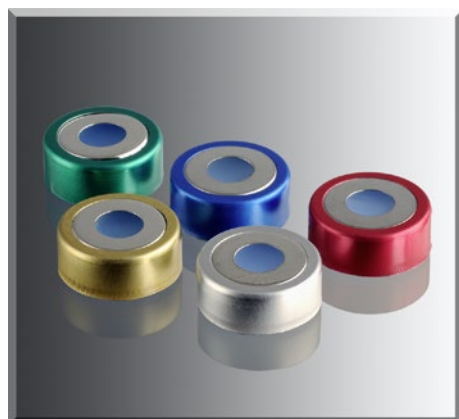
CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
151286	20mm	Butyl red/PTFE gray	100 pcs
151287	20mm	Silicone transp. blue/PTFE	100 pcs
151222	20mm	Rubber-Butyl/PTFE	100 pcs
151223	20mm	Molded Butyl/PTFE	100 pcs

## PRESSURE RELIEF CRIMP SEALS & SEPTA

Special cap with bridges and scorelines which break at 3 bar.

CAT.NO.	DIAM	DESCRIPTION	CASE PACK
151288	20mm	Butyl red/PTFE gray	100 pcs
151289	20mm	Silicone transp. blue/PTFE	100 pcs

# MAGNETIC SEALS



## BI-METAL® SEALS WITH PRE-ASSEMBLED SEPTA ALUMINUM & TIN

The Bi-Metal crimp seals were especially designed for use in the CTC Combi PAL® autosampler. The center portion is made of tin and can be picked up by a robot magnet. Crimping is very easy because the outside is made of aluminum.

These crimp seals solve all the problems incurred with the present steel seals available that are very hard to crimp and decrimp.

Bi-Metal crimp seals with 8mm hole can be used for SPME.

### TEMPERATURE RANGE:

Butyl/PTFE	140°C
Blue Silicone/PTFE	200°C
Red silicone/PTFE	250°C

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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### RED CRIMP SEALS with 8mm hole

157115	20mm	Butyl red/PTFE gray	100 pcs
157116	20mm	Silicone transparent blue/PTFE	100 pcs
157117	20mm	Silicone red/PTFE	100 pcs

### BLUE CRIMP SEALS with 8mm hole

157120	20mm	Butyl red/PTFE gray	100 pcs
157121	20mm	Silicone transparent blue/PTFE	100 pcs
157122	20mm	Silicone red/PTFE	100 pcs

### GREEN CRIMP SEALS with 8mm hole

157125	20mm	Butyl red/PTFE gray	100 pcs
157126	20mm	Silicone transparent blue/PTFE	100 pcs
157127	20mm	Silicone red/PTFE	100 pcs

### GOLD CRIMP SEALS with 8mm hole

157130	20mm	Butyl red/PTFE gray	100 pcs
157131	20mm	Silicone transparent blue/PTFE	100 pcs
157132	20mm	Silicone red/PTFE	100 pcs

### SILVER CRIMP SEALS with 8mm hole

157135	20mm	Butyl red/PTFE gray	100 pcs
157136	20mm	Silicone transparent blue/PTFE	100 pcs
157137	20mm	Silicone red/PTFE	100 pcs

### GOLD-SILVER CRIMP SEALS with 5.5mm hole

for use with smaller magnet that is used for 11mm steel seals

157140	20mm	Butyl red/PTFE gray	100 pcs
157141	20mm	Silicone transparent blue/PTFE	100 pcs
157142	20mm	Silicone red/PTFE	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA METAL

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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### HOLE DIAMETER 6mm

157105	20mm	Butyl red/PTFE gray	100 pcs
157106	20mm	Silicone transparent blue/PTFE	100 pcs
157107	20mm	Silicone red/PTFE	100 pcs

### HOLE DIAMETER 8mm for SPME use

157110	20mm	Butyl red/PTFE gray	100 pcs
157111	20mm	Silicone transparent blue/PTFE	100 pcs
157112	20mm	Silicone red/PTFE	100 pcs



# HEADSPACE VIALS



## HEADSPACE VIALS

BOROSILICATE GLASS

**CTC, AGILENT, ALPHA MOS, ANTEK, ATAS GL, BRUKER, DIONEX, GERSTEL, PERKIN-ELMER, SHIMADZU, TEKMAR- DOHRMAN, THERMO, VARIAN**

These screw thread headspace vials use convenient magnetic screw caps eliminating the use of crimping. There is no risk of incorrect crimping.

They are made of steel and can be picked up by a robot magnet.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
157200	10ml	22x46mm	18mm	100 pcs
157201*	10ml	22x46mm	18mm	100 pcs
157202	20ml	22x75mm	18mm	100 pcs
157203*	20ml	22x75mm	18mm	100 pcs

\* amber glass

## MAGNETIC SCREW CAPS PRE-ASSEMBLED SEPTA

METAL

### ULTRA CLEAN SEPTA

Screw caps have ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

Screw caps have an 8mm center hole and have pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	THICKNESS	CASE PACK
157211	Silver	Silicone wht/PTFE blue	1.5mm	100 pcs
157212	Silver	Silicone wht/PTFE red	1.3mm	100 pcs
157213	Silver	Silicone blue/PTFE	1.3mm	100 pcs

## MAGNETIC SCREW CAPS PRE-ASSEMBLED SEPTA

METAL

### SPME- ULTRA CLEAN SEPTA

Screw caps have an 8mm center hole and have pre-assembled star slit septa for easier penetration and recommended for SPME use.

CAT.NO.	COLOR	DESCRIPTION	THICKNESS	CASE PACK
157215	Silver	Silicone wht/PTFE red	1.5mm	100 pcs

## SILICONE/PTFE SEPTA

ULTRA CLEAN SEPTA ONLY

CAT.NO.	DESCRIPTION	THICKNESS	CASE PACK
157221	Silicone wht/PTFE blue	1.5mm	100 pcs
157222	Silicone wht/PTFE red	1.3mm	100 pcs
157223	Silicone blue/PTFE	1.3mm	100 pcs
157225*	Silicone wht/PTFE red	1.5mm	100 pcs

\* star slit septa for SPME

## MAGNETIC SCREW CAPS PRE-ASSEMBLED SEPTA

METAL

Screw caps have an 8mm center hole and have pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	THICKNESS	CASE PACK
157210	Silver	Butyl red/PTFE gray	1.6mm	100 pcs

# AUTOSAMPLER VIALS



## **XL® VIALS** BOROSILICATE GLASS

Vials have a 40% wider opening which reduces the chance of bent needles. These vials were designed for the Hewlett-Packard Robotic Arm Autosamplers 7673, 7673A and others.

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

### WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
155600	2.0ml	12x32mm	9-425	100 pcs
155601*	2.0ml	12x32mm	9-425	100 pcs

### WIDE OPENING VIALS WITH WRITING SPOT

155602	2.0ml	12x32mm	9-425	100 pcs
155603*	2.0ml	12x32mm	9-425	100 pcs

\* amber glass

## **XL® SCREW CAPS OPEN TOP** POLYPROPYLENE

CAT.NO.	COLOR	CAP SIZE	CASE PACK
155609	Natural	9-425	100 pcs
155610	Black	9-425	100 pcs
155611	Blue	9-425	100 pcs
155612	Red	9-425	100 pcs
155613	Green	9-425	100 pcs
155614	Yellow	9-425	100 pcs

## SEPTA

CAT.NO.	DESCRIPTION	CASE PACK
155605	Ultra Clean Silicone/PTFE	100 pcs
155615	Silicone/PTFE	100 pcs
155616	PTFE/Silicone/PTFE	100 pcs
155617	Rubber/ETFE	100 pcs
155618	Silicone/PTFE slit	100 pcs

## PTFE LINERS

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
155619	9mm	0.25mm	100 pcs

## **MICROSERT® LIMITED VOLUME VIALS**

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
155650	300µl	6x30mm	Conical	100 pcs
155651	400µl	6x30mm	Cylindrical	100 pcs

## **XL® SCREW CAPS WITH ULTRA CLEAN SEPTA** GC/MS APPLICATIONS

Screw caps have pre-assembled ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155664	Natural	Ultra Clean Silicone/PTFE	9-425	100 pcs
155665	Black	Ultra Clean Silicone/PTFE	9-425	100 pcs
155666	Blue	Ultra Clean Silicone/PTFE	9-425	100 pcs
155667	Red	Ultra Clean Silicone/PTFE	9-425	100 pcs
155668	Yellow	Ultra Clean Silicone/PTFE	9-425	100 pcs
155669	Green	Ultra Clean Silicone/PTFE	9-425	100 pcs

# SCREW CAPS 9-425



## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155620	Black	Silicone/PTFE	9-425	100 pcs
155621	Blue	Silicone/PTFE	9-425	100 pcs
155622	Red	Silicone/PTFE	9-425	100 pcs
155623	Yellow	Silicone/PTFE	9-425	100 pcs
155624	Green	Silicone/PTFE	9-425	100 pcs
155660	Natural	Silicone/PTFE	9-425	100 pcs

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155625	Black	PTFE/Silicone/PTFE	9-425	100 pcs
155626	Blue	PTFE/Silicone/PTFE	9-425	100 pcs
155627	Red	PTFE/Silicone/PTFE	9-425	100 pcs
155628	Yellow	PTFE/Silicone/PTFE	9-425	100 pcs
155629	Green	PTFE/Silicone/PTFE	9-425	100 pcs
155661	Natural	PTFE/Silicone/PTFE	9-425	100 pcs

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155630	Black	Rubber/ETFE	9-425	100 pcs
155631	Blue	Rubber/ETFE	9-425	100 pcs
155632	Red	Rubber/ETFE	9-425	100 pcs
155633	Yellow	Rubber/ETFE	9-425	100 pcs
155634	Green	Rubber/ETFE	9-425	100 pcs
155662	Natural	Rubber/ETFE	9-425	100 pcs

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155635	Black	Silicone/PTFE single slit	9-425	100 pcs
155636	Blue	Silicone/PTFE single slit	9-425	100 pcs
155637	Red	Silicone/PTFE single slit	9-425	100 pcs
155638	Yellow	Silicone/PTFE single slit	9-425	100 pcs
155639	Green	Silicone/PTFE single slit	9-425	100 pcs
155655	Natural	Silicone/PTFE single slit	9-425	100 pcs

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155640	Black	Silicone/PTFE cross slit	9-425	100 pcs
155641	Blue	Silicone/PTFE cross slit	9-425	100 pcs
155642	Red	Silicone/PTFE cross slit	9-425	100 pcs
155643	Yellow	Silicone/PTFE cross slit	9-425	100 pcs
155644	Green	Silicone/PTFE cross slit	9-425	100 pcs
155656	Natural	Silicone/PTFE cross slit	9-425	100 pcs

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
155645	Black	Silicone/PTFE star slit	9-425	100 pcs
155646	Blue	Silicone/PTFE star slit	9-425	100 pcs
155647	Red	Silicone/PTFE star slit	9-425	100 pcs
155648	Yellow	Silicone/PTFE star slit	9-425	100 pcs
155649	Green	Silicone/PTFE star slit	9-425	100 pcs
155657	Natural	Silicone/PTFE star slit	9-425	100 pcs

# AUTOSAMPLER VIALS



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

### WIDE OPENING VIALS

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials

- ETFE-faced natural rubber for routine analysis
- PTFE-faced silicone provides excellent resealing
- PTFE-silicone-PTFE reduces coring problems
- Butyl/PTFE-faced liner for long term storage

CAT.NO.	SIZE	DESCRIPTION	COLOR	CASE PACK
151216	11mm	Rubber/ETFE	Silver	100 pcs
151266	11mm	Silicone/PTFE	Silver	100 pcs
151267	11mm	PTFE/Silicone/PTFE	Silver	100 pcs
151269	11mm	Butyl/PTFE	Silver	100 pcs

## CRIMP SEALS WITH ULTRA CLEAN SEPTA

ALUMINUM

### GC/MS APPLICATIONS

Crimp seals have pre-assembled ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	SIZE	DESCRIPTION	COLOR	CASE PACK
157425	11mm	Ultra Clean Silicone/PTFE	Silver	100 pcs
157426	11mm	Ultra Clean Silicone/PTFE	Red	100 pcs
157427	11mm	Ultra Clean Silicone/PTFE	Blue	100 pcs
157428	11mm	Ultra Clean Silicone/PTFE	Gold	100 pcs
157429	11mm	Ultra Clean Silicone/PTFE	Green	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. Colored snap caps available on page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs
153330	11mm	Linerless	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These inserts will fit precisely into our vials 151123, 151124, 151125 & 151126.

CAT.NO.	VOLUME	TYPE	SIZE	CASE PACK
150820	300µl	Conical	6x30mm	100 pcs
150821	400µl	Cylindrical	6x30mm	100 pcs

# AUTOSAMPLER VIALS



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

### STANDARD OPENING VIALS

Use crimp seals 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
151120	2.0ml	12x32mm	11mm	100 pcs
151121*	2.0ml	12x32mm	11mm	100 pcs

### VIALS WITH WRITING SPOT

151130	2.0ml	12x32mm	11mm	100 pcs
151131*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials

- ETFE-faced natural rubber for routine analysis
- PTFE-faced silicone rubber provides excellent resealing
- PTFE-silicone-PTFE reduces coring problems
- Butyl/PTFE-faced liner for long term storage

All crimp seals have large opening to reduce bent needles.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## CRIMP SEALS WITH ULTRA CLEAN SEPTA

ALUMINUM

### GC/MS APPLICATIONS

Crimp seals have pre-assembled ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	SIZE	DESCRIPTION	COLOR	CASE PACK
157425	11mm	Ultra Clean Silicone/PTFE	Silver	100 pcs
157426	11mm	Ultra Clean Silicone/PTFE	Red	100 pcs
157427	11mm	Ultra Clean Silicone/PTFE	Blue	100 pcs
157428	11mm	Ultra Clean Silicone/PTFE	Gold	100 pcs
157429	11mm	Ultra Clean Silicone/PTFE	Green	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
150613*	50µl	4x27mm	Conical	100 pcs
150610	100µl	5x30mm	Conical	100 pcs
150824	200µl	5x30mm	Cylindrical	100 pcs

\* compression spring #150614 needed for support

## COMPRESSION SPRINGS

STAINLESS STEEL

Needed for support of limited volume inserts #150613.

CAT.NO.	LENGTH	DIAMETER	CASE PACK
150614	37mm	5mm	100 pcs

# AUTOSAMPLER VIALS



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

### STANDARD OPENING VIALS

Use screw caps 8-425.

CAT.NO.	VOLUME	SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

### VIALS WITH WRITING SPOT

150642	2.0ml	12x32mm	8-425	100 pcs
150643*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

## SCREW CAPS

POLYPROPYLENE

Screw caps 8-425 with open top.

CAT.NO.	COLOR	CASE PACK
150601	Black	100 pcs
150601R	Red	100 pcs
150601B	Blue	100 pcs
150601Y	Yellow	100 pcs
150601G	Green	100 pcs

## SEPTA

CAT.NO.	DESCRIPTION	CASE PACK
150603	Butyl/PTFE	100 pcs
150604	Silicone/PTFE	100 pcs
150605	PTFE	1000 pcs
150606	Rubber/ETFE	100 pcs
150607	Silicone/PTFE cross slit	100 pcs
150608	Silicone/PTFE single slit	100 pcs
150620	PTFE/Silicone/PTFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
150613*	50µl	4x27mm	Conical	100 pcs
150610	100µl	5x30mm	Conical	100 pcs
150824	200µl	5x30mm	Cylindrical	100 pcs

\* compression springs #150614 needed for support

## COMPRESSION SPRINGS

CAT.NO.	LENGTH	DIAMETER	CASE PACK
150614	37mm	5mm	100 pcs

## SCREW CAPS WITH ULTRA CLEAN SEPTA

GC/MS APPLICATIONS

Screw caps have pre-assembled ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	COLOR	DESCRIPTION	SIZE	CASE PACK
150660	Black	Ultra Clean Silicone/PTFE	8-425	100 pcs
150661	Blue	Ultra Clean Silicone/PTFE	8-425	100 pcs
150662	Red	Ultra Clean Silicone/PTFE	8-425	100 pcs
150663	Yellow	Ultra Clean Silicone/PTFE	8-425	100 pcs
150664	Green	Ultra Clean Silicone/PTFE	8-425	100 pcs

# SCREW CAPS 8-425



## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150650	Black	Silicone/PTFE	8-425	100 pcs
150670	Blue	Silicone/PTFE	8-425	100 pcs
150671	Red	Silicone/PTFE	8-425	100 pcs
150672	Yellow	Silicone/PTFE	8-425	100 pcs
150673	Green	Silicone/PTFE	8-425	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150652	Black	PTFE/Silicone/PTFE	8-425	100 pcs
150675	Blue	PTFE/Silicone/PTFE	8-425	100 pcs
150676	Red	PTFE/Silicone/PTFE	8-425	100 pcs
150677	Yellow	PTFE/Silicone/PTFE	8-425	100 pcs
150678	Green	PTFE/Silicone/PTFE	8-425	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150651	Black	Rubber/ETFE	8-425	100 pcs
150680	Blue	Rubber/ETFE	8-425	100 pcs
150681	Red	Rubber/ETFE	8-425	100 pcs
150682	Yellow	Rubber/ETFE	8-425	100 pcs
150683	Green	Rubber/ETFE	8-425	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150655	Black	Silicone/PTFE single slit	8-425	100 pcs
150685	Blue	Silicone/PTFE single slit	8-425	100 pcs
150686	Red	Silicone/PTFE single slit	8-425	100 pcs
150687	Yellow	Silicone/PTFE single slit	8-425	100 pcs
150688	Green	Silicone/PTFE single slit	8-425	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150656	Black	Silicone/PTFE cross slit	8-425	100 pcs
150690	Blue	Silicone/PTFE cross slit	8-425	100 pcs
150691	Red	Silicone/PTFE cross slit	8-425	100 pcs
150692	Yellow	Silicone/PTFE cross slit	8-425	100 pcs
150693	Green	Silicone/PTFE cross slit	8-425	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
150657	Black	Silicone/PTFE star slit	8-425	100 pcs
150695	Blue	Silicone/PTFE star slit	8-425	100 pcs
150696	Red	Silicone/PTFE star slit	8-425	100 pcs
150697	Yellow	Silicone/PTFE star slit	8-425	100 pcs
150698	Green	Silicone/PTFE star slit	8-425	100 pcs

# AUTOSAMPLER VIALS



## SNAP RING AUTOSAMPLER VIALS

BOROSILICATE GLASS

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

### WIDE OPENING VIALS

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
157600	2.0ml	12x32mm	11mm	100 pcs
157601*	2.0ml	12x32mm	11mm	100 pcs

### VIALS WITH WRITING SPOT

157602	2.0ml	12x32mm	11mm	100 pcs
157603*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## CRIMP SEALS WITH ULTRA CLEAN SEPTA

ALUMINUM

### GC/MS APPLICATIONS

Crimp seals have pre-assembled ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	COLOR	DESCRIPTION	CAP SIZE	CASE PACK
157425	Silver	Ultra Clean Silicone/PTFE	11mm	100 pcs
157426	Red	Ultra Clean Silicone/PTFE	11mm	100 pcs
157427	Blue	Ultra Clean Silicone/PTFE	11mm	100 pcs
157428	Gold	Ultra Clean Silicone/PTFE	11mm	100 pcs
157429	Green	Ultra Clean Silicone/PTFE	11mm	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. Colored snap caps available on page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs
153330	11mm	Linerless	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These inserts will fit precisely into the our vials 157600, 157601, 157602 & 157603.

CAT.NO.	VOLUME	TYPE	SIZE	CASE PACK
150820	300µl	Conical	6x30mm	100 pcs
150821	400µl	Cylindrical	6x30mm	100 pcs



# CRIMP SEALS



## CRIMP SEALS 8MM WITH PRE-CUT SEPTA

### ALUMINUM

Septa are pre-cut for easy needle penetration.

All septa are pre-assembled ready for use.

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
156300	Silicone/PTFE single slit	8mm	Silver	100 pcs
156301		8mm	Red	100 pcs
156302		8mm	Blue	100 pcs
156303		8mm	Gold	100 pcs
156304		8mm	Green	100 pcs
156305	Silicone/PTFE cross slit	8mm	Silver	100 pcs
156306		8mm	Red	100 pcs
156307		8mm	Blue	100 pcs
156308		8mm	Gold	100 pcs
156309		8mm	Green	100 pcs
156310	Silicone/PTFE star slit	8mm	Silver	100 pcs
156311		8mm	Red	100 pcs
156312		8mm	Blue	100 pcs
156313		8mm	Gold	100 pcs
156314		8mm	Green	100 pcs

## CRIMP SEALS 11MM WITH PRE-CUT SEPTA

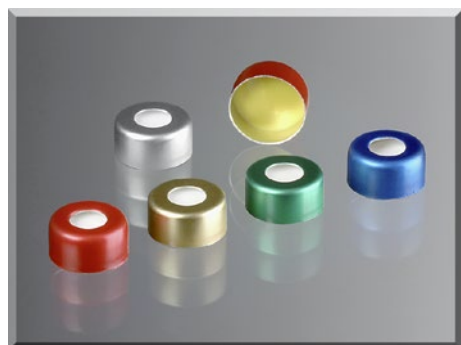
### ALUMINUM

Septa are pre-cut for easy needle penetration.

All septa are pre-assembled ready for use.

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
156325	Silicone/PTFE single slit	11mm	Silver	100 pcs
156326		11mm	Red	100 pcs
156327		11mm	Blue	100 pcs
156328		11mm	Gold	100 pcs
156329		11mm	Green	100 pcs
156330	Silicone/PTFE cross slit	11mm	Silver	100 pcs
156331		11mm	Red	100 pcs
156332		11mm	Blue	100 pcs
156333		11mm	Gold	100 pcs
156334		11mm	Green	100 pcs
156335	Silicone/PTFE star slit	11mm	Silver	100 pcs
156336		11mm	Red	100 pcs
156337		11mm	Blue	100 pcs
156338		11mm	Gold	100 pcs
156339		11mm	Green	100 pcs

# CRIMP SEALS



## CRIMP SEALS 8MM WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Septa are pre-assembled ready for use.

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
151213	Rubber/ETFE	8mm	Silver	100 pcs
151213R		8mm	Red	100 pcs
151213B		8mm	Blue	100 pcs
151213Y		8mm	Gold	100 pcs
151213G		8mm	Green	100 pcs
151256	Silicone/PTFE	8mm	Silver	100 pcs
151256R		8mm	Red	100 pcs
151256B		8mm	Blue	100 pcs
151256Y		8mm	Gold	100 pcs
151256G		8mm	Green	100 pcs
151257	PTFE/Silicone/PTFE	8mm	Silver	100 pcs
151257R		8mm	Red	100 pcs
151257B		8mm	Blue	100 pcs
151257Y		8mm	Gold	100 pcs
151257G		8mm	Green	100 pcs

## CRIMP SEALS 8MM WITH ULTRA CLEAN SEPTA

ALUMINUM

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
157400	Ultra Clean Silicone/PTFE	8mm	Silver	100 pcs
157401	Ultra Clean Silicone/PTFE	8mm	Red	100 pcs
157402	Ultra Clean Silicone/PTFE	8mm	Blue	100 pcs
157403	Ultra Clean Silicone/PTFE	8mm	Gold	100 pcs
157404	Ultra Clean Silicone/PTFE	8mm	Green	100 pcs

## CRIMP SEALS 11MM WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Septa are pre-assembled ready for use.

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
151216	Rubber/ETFE	11mm	Silver	100 pcs
151216R		11mm	Red	100 pcs
151216B		11mm	Blue	100 pcs
151216Y		11mm	Gold	100 pcs
151216G		11mm	Green	100 pcs
151266	Silicone/PTFE	11mm	Silver	100 pcs
151266R		11mm	Red	100 pcs
151266B		11mm	Blue	100 pcs
151266Y		11mm	Gold	100 pcs
151266G		11mm	Green	100 pcs
151267	PTFE/Silicone/PTFE	11mm	Silver	100 pcs
151267R		11mm	Red	100 pcs
151267B		11mm	Blue	100 pcs
151267Y		11mm	Gold	100 pcs
151267G		11mm	Green	100 pcs

## CRIMP SEALS 11MM WITH ULTRA CLEAN SEPTA

ALUMINUM

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
157425	Ultra Clean Silicone/PTFE	11mm	Silver	100 pcs
157426	Ultra Clean Silicone/PTFE	11mm	Red	100 pcs
157427	Ultra Clean Silicone/PTFE	11mm	Blue	100 pcs
157428	Ultra Clean Silicone/PTFE	11mm	Gold	100 pcs
157429	Ultra Clean Silicone/PTFE	11mm	Green	100 pcs



## SNAP-ON® CAPS- 8mm

POLYETHYLENE

For use with all crimp top vials with 8mm crimp neck

Easily snaps on eliminating the use of crimpers

Holds approx. 30 psi internal pressure

Compatible with most autosamplers

Snap caps have a consistent seal pressure for all samples in the autosampler tray reducing the chance of failures caused by improper crimping

Available in two versions:

(1) With molded septa 0.25mm thick for single use

(2) With 5 different liners pre-assembled in the caps

- PTFE
- Silicone/PTFE
- Pre-cut Silicone/PTFE
- PTFE/Silicone/PTFE
- Rubber/ETFE

CAT.NO.	DESCRIPTION	COLOR	CASE PACK
153410	PTFE	Natural	100 pcs
153411		Red	100 pcs
153412		Blue	100 pcs
153413		Yellow	100 pcs
153414		Green	100 pcs
153415	PTFE/Silicone/PTFE	Natural	100 pcs
153416		Red	100 pcs
153417		Blue	100 pcs
153418		Yellow	100 pcs
153419		Green	100 pcs
153420	Silicone/PTFE	Natural	100 pcs
153421		Red	100 pcs
153422		Blue	100 pcs
153423		Yellow	100 pcs
153424		Green	100 pcs
153425	Rubber/ETFE	Natural	100 pcs
153426		Red	100 pcs
153427		Blue	100 pcs
153428		Yellow	100 pcs
153429		Green	100 pcs
<b>SNAP CAPS LINERLESS</b>			
153430	Molded 0.25mm	Natural	100 pcs
153431		Red	100 pcs
153432		Blue	100 pcs
153433		Yellow	100 pcs
153434		Green	100 pcs
<b>SNAP CAPS WITH SINGLE SLIT SEPTA</b>			
153435	Silicone/PTFE	Natural	100 pcs
153436		Red	100 pcs
153437		Blue	100 pcs
153438		Yellow	100 pcs
153439		Green	100 pcs
<b>SNAP CAPS WITH CROSS SLIT SEPTA</b>			
153440	Silicone/PTFE	Natural	100 pcs
153441		Red	100 pcs
153442		Blue	100 pcs
153443		Yellow	100 pcs
153444		Green	100 pcs
<b>SNAP CAPS WITH STAR SLIT SEPTA</b>			
153445	Silicone/PTFE	Natural	100 pcs
153446		Red	100 pcs
153447		Blue	100 pcs
153448		Yellow	100 pcs
153449		Green	100 pcs



## SNAP-ON® CAPS- 11mm

POLYETHYLENE

For use with all crimp top vials with 11mm crimp neck

Easily snaps on eliminating the use of crimpers

Holds approx. 30 psi internal pressure

Compatible with most autosamplers

Snap caps have a consistent seal pressure for all samples in the autosampler tray reducing the chance of failures caused by improper crimping

Available in two versions:

(1) with molded septa 0.25mm thick for single use

(2) With 5 different liners pre-assembled in the caps

- PTFE
- Silicone/PTFE
- Pre-cut Silicone/PTFE
- PTFE/Silicone/PTFE
- Rubber/ETFE

CAT.NO.	DESCRIPTION	COLOR	CASE PACK
153310	PTFE	Natural	100 pcs
153311		Red	100 pcs
153312		Blue	100 pcs
153313		Yellow	100 pcs
153314		Green	100 pcs
153315	PTFE/Silicone/PTFE	Natural	100 pcs
153316		Red	100 pcs
153317		Blue	100 pcs
153318		Yellow	100 pcs
153319		Green	100 pcs
153320	Silicone/PTFE	Natural	100 pcs
153321		Red	100 pcs
153322		Blue	100 pcs
153323		Yellow	100 pcs
153324		Green	100 pcs
153325	Rubber/ETFE	Natural	100 pcs
153326		Red	100 pcs
153327		Blue	100 pcs
153328		Yellow	100 pcs
153329		Green	100 pcs
<b>SNAP CAPS LINERLESS</b>			
153330	Molded 0.25mm	Natural	100 pcs
153331		Red	100 pcs
153332		Blue	100 pcs
153333		Yellow	100 pcs
153334		Green	100 pcs
<b>SNAP CAPS WITH SINGLE SLIT SEPTA</b>			
153335	Silicone/PTFE	Natural	100 pcs
153336		Red	100 pcs
153337		Blue	100 pcs
153338		Yellow	100 pcs
153339		Green	100 pcs
<b>SNAP CAPS WITH CROSS SLIT SEPTA</b>			
153345	Silicone/PTFE	Natural	100 pcs
153346		Red	100 pcs
153347		Blue	100 pcs
153348		Yellow	100 pcs
153349		Green	100 pcs
<b>SNAP CAPS WITH STAR SLIT SEPTA</b>			
153340	Silicone/PTFE	Natural	100 pcs
153341		Red	100 pcs
153342		Blue	100 pcs
153343		Yellow	100 pcs
153344		Green	100 pcs



## SNAP-ON® CAPS- 13mm

POLYETHYLENE

For use with all crimp top vials with 13mm crimp neck  
 Easily snaps on vials eliminating the use of crimpers  
 Holds approx. 30 psi internal pressure  
 Compatible with most autosamplers  
 Snap caps have a consistent seal pressure for all samples in the autosampler tray reducing the chance of failures caused by improper crimping

Available in two versions:

- (1) with molded septa 0.25mm thick for single use
- (2) With 5 different liners pre-assembled in the caps
  - PTFE
  - Silicone/PTFE
  - Pre-cut Silicone/PTFE
  - PTFE/Silicone/PTFE
  - Rubber/ETFE

CAT.NO.	DESCRIPTION	COLOR	CASE PACK
158110	PTFE	Natural	100 pcs
158111		Red	100 pcs
158112		Blue	100 pcs
158113		Yellow	100 pcs
158114		Green	100 pcs
158115	PTFE/Silicone/PTFE	Natural	100 pcs
158116		Red	100 pcs
158117		Blue	100 pcs
158118		Yellow	100 pcs
158119		Green	100 pcs
158120	Silicone/PTFE	Natural	100 pcs
158121		Red	100 pcs
158122		Blue	100 pcs
158123		Yellow	100 pcs
158124		Green	100 pcs
158125	Rubber/ETFE	Natural	100 pcs
158126		Red	100 pcs
158127		Blue	100 pcs
158128		Yellow	100 pcs
158129		Green	100 pcs
<b>SNAP CAPS LINERLESS</b>			
158130	Molded 0.25mm	Natural	100 pcs
158131		Red	100 pcs
158132		Blue	100 pcs
158133		Yellow	100 pcs
158134		Green	100 pcs
<b>SNAP CAPS WITH SINGLE SLIT SEPTA</b>			
158135	Silicone/PTFE	Natural	100 pcs
158136		Red	100 pcs
158137		Blue	100 pcs
158138		Yellow	100 pcs
158139		Green	100 pcs
<b>SNAP CAPS WITH CROSS SLIT SEPTA</b>			
158140	Silicone/PTFE	Natural	100 pcs
158141		Red	100 pcs
158142		Blue	100 pcs
158143		Yellow	100 pcs
158144		Green	100 pcs
<b>SNAP CAPS WITH STAR SLIT SEPTA</b>			
158145	Silicone/PTFE	Natural	100 pcs
158146		Red	100 pcs
158147		Blue	100 pcs
158148		Yellow	100 pcs
158149		Green	100 pcs

# SNAP-ON® CAPS



## SNAP-ON® CAPS- 20mm

POLYETHYLENE

For use with all crimp top vials with 20mm crimp neck  
Easily snaps on vials eliminating the use of crimpers  
Holds approx. 30 psi internal pressure  
Compatible with most autosamplers

Snap caps have a consistent seal pressure for all samples in the autosampler tray reducing the chance of failures caused by improper crimping.

Snap caps are available in two different heights for a variety of rim finishes.

They are supplied with silicone/PTFE or butyl/PTFE septa pre-assembled in the caps.

CAT.NO.	DESCRIPTION	HOLE	CASE PACK
<b>LOW VERSION</b>			
158250	Silicone/PTFE	5mm	100 pcs
158260	Butyl/PTFE	5mm	100 pcs
<b>HIGH VERSION</b>			
158255	Silicone/PTFE	5mm	100 pcs
158256	Silicone/PTFE	8mm	100 pcs
<b>HIGH VERSION</b>			
158265	Butyl/PTFE	5mm	100 pcs
158266	Butyl/PTFE	8mm	100 pcs



## SCREW VIALS & CAPS

BOROSILICATE GLASS

These standard vial kits are suitable for most autosamplers. Vials and closures are packed in our reclosable transparent **KITPACK®**.

Kit contains autosampler vials 12x32mm and black screw caps 8-425 with mounted septa as listed below.

### STANDARD OPENING VIALS

CAT.NO.	VOLUME	SEPTA	CASE PACK
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#### CLEAR GLASS

158500	2.0ml	Silicone/PTFE	100 pcs
158501	2.0ml	Rubber/ETFE	100 pcs
158502	2.0ml	PTFE/Silicone/PTFE	100 pcs
158510	2.0ml	Silicone/PTFE single slit	100 pcs
158511	2.0ml	Silicone/PTFE cross slit	100 pcs
158512	2.0ml	Silicone/PTFE star slit	100 pcs

#### AMBER GLASS

158505	2.0ml	Silicone/PTFE	100 pcs
158506	2.0ml	Rubber/ETFE	100 pcs
158507	2.0ml	PTFE/Silicone/PTFE	100 pcs
158515	2.0ml	Silicone/PTFE single slit	100 pcs
158516	2.0ml	Silicone/PTFE cross slit	100 pcs
158517	2.0ml	Silicone/PTFE star slit	100 pcs

All vials accept inserts 150610, 150613 and 150824.



## XL® SCREW VIALS & CAPS

BOROSILICATE GLASS

XL® Vials have a 40% wider opening to reduce the chance of bent needles. Vials and closures are packed in our reclosable transparent **KITPACK®**.

Kit contains autosampler vials 12x32mm and blue XL® screw caps 9-425 with mounted septa as listed below.

### WIDE OPENING VIALS

CAT.NO.	VOLUME	SEPTA	CASE PACK
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#### CLEAR GLASS

158601	2.0ml	Silicone/PTFE	100 pcs
158606	2.0ml	Rubber/ETFE	100 pcs
158611	2.0ml	PTFE/Silicone/PTFE	100 pcs
158616	2.0ml	Silicone/PTFE single slit	100 pcs
158621	2.0ml	Silicone/PTFE cross slit	100 pcs
158626	2.0ml	Silicone/PTFE star slit	100 pcs

#### AMBER GLASS

158646	2.0ml	Silicone/PTFE	100 pcs
158651	2.0ml	Rubber/ETFE	100 pcs
158656	2.0ml	PTFE/Silicone/PTFE	100 pcs
158661	2.0ml	Silicone/PTFE single slit	100 pcs
158666	2.0ml	Silicone/PTFE cross slit	100 pcs
158671	2.0ml	Silicone/PTFE star slit	100 pcs

All vials accept inserts 150820 and 150821.



## CRIMP VIALS & ALUMINUM SEALS

BOROSILICATE GLASS

These vial kits are suitable for most autosamplers. Vials and closures are packed in our reclosable transparent **KITPACK®**.

Kit contains autosampler vials 12x32mm and silver crimp seals 11mm with mounted septa as listed below.

### STANDARD OPENING VIALS

CAT.NO.	VOLUME	SEPTA	CASE PACK
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#### CLEAR GLASS

158400	2.0ml	Rubber/ETFE	100 pcs
158401	2.0ml	Silicone/PTFE	100 pcs
158402	2.0ml	PTFE/Silicone/PTFE	100 pcs
158405	2.0ml	Silicone/PTFE single slit	100 pcs
158406	2.0ml	Silicone/PTFE cross slit	100 pcs
158407	2.0ml	Silicone/PTFE star slit	100 pcs

#### AMBER GLASS

158410	2.0ml	Rubber/ETFE	100 pcs
158411	2.0ml	Silicone/PTFE	100 pcs
158412	2.0ml	PTFE/Silicone/PTFE	100 pcs
158415	2.0ml	Silicone/PTFE single slit	100 pcs
158416	2.0ml	Silicone/PTFE cross slit	100 pcs
158417	2.0ml	Silicone/PTFE star slit	100 pcs

All vials accept inserts 150610, 150613 and 150824.



## CRIMP VIALS & SNAP CAPS

BOROSILICATE GLASS

Kit contains autosampler vials 12x32mm and natural colored polyethylene snap caps 11mm with mounted septa as listed below. Vials and closures are packed in our reclosable transparent **KITPACK®**.

### WIDE OPENING VIALS

CAT.NO.	VOLUME	SEPTA	CASE PACK
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#### CLEAR GLASS

158725	2.0ml	PTFE	100 pcs
158726	2.0ml	PTFE/Silicone/PTFE	100 pcs
158727	2.0ml	Silicone/PTFE	100 pcs
158728	2.0ml	Rubber/ETFE	100 pcs
158729	2.0ml	Linerless	100 pcs
158730	2.0ml	Silicone/PTFE single slit	100 pcs
158731	2.0ml	Silicone/PTFE cross slit	100 pcs
158732	2.0ml	Silicone/PTFE star slit	100 pcs

#### AMBER GLASS

158735	2.0ml	PTFE	100 pcs
158736	2.0ml	PTFE/Silicone/PTFE	100 pcs
158737	2.0ml	Silicone/PTFE	100 pcs
158738	2.0ml	Rubber/ETFE	100 pcs
158739	2.0ml	Linerless	100 pcs
158740	2.0ml	Silicone/PTFE single slit	100 pcs
158741	2.0ml	Silicone/PTFE cross slit	100 pcs
158742	2.0ml	Silicone/PTFE star slit	100 pcs

All vials accept inserts 156105, 150820 and 150821.





## PLASTIC VIALS & CAPS

POLYPROPYLENE

These vial kits are suitable for most autosamplers. Vials and closures are packed in our reclosable transparent **KITPACK®**.

Kit contains autosampler vials 12x32mm and silver crimp seals 11mm with pre-assembled septa or screw caps as listed below. Colored crimp seals and screw caps available on request.

CAT.NO.	VOLUME	SEPTA	CAP SIZE	CASE PACK
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### VIALS & CRIMP CAPS

158800	0.30ml	Rubber/ETFE	11mm	100 pcs
158801	0.30ml	Silicone/PTFE	11mm	100 pcs

### VIALS & SNAP CAPS

158825	0.30ml	Rubber/ETFE	11mm	100 pcs
158826	0.30ml	Silicone/PTFE	11mm	100 pcs

### VIALS & SCREW CAPS

158815	0.30ml	Rubber/ETFE	9-425	100 pcs
158816	0.30ml	Silicone/PTFE	9-425	100 pcs



## PLASTIC VIALS AMBER & CAPS

POLYPROPYLENE

These amber plastic vials have UV protection.

CAT.NO.	VOLUME	SEPTA	CAP SIZE	CASE PACK
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### VIALS & CRIMP CAPS

158850	0.30ml	Rubber/ETFE	11mm	100 pcs
158851	0.30ml	Silicone/PTFE	11mm	100 pcs

### VIALS & SNAP CAPS

158855	0.30ml	Rubber/ETFE	11mm	100 pcs
158856	0.30ml	Silicone/PTFE	11mm	100 pcs

### VIALS & SCREW CAPS

158860	0.30ml	Rubber/ETFE	9-425	100 pcs
158861	0.30ml	Silicone/PTFE	9-425	100 pcs



## SHELL VIALS & CAPS

BOROSILICATE GLASS

These vials and caps are an economical alternative to standard crimp and screw thread vials suitable for one-time use in most autosamplers that don't pressurize the vials.

The polyethylene caps have a 0.25mm star-center which eliminates vacuum build-up in the vials after injection. A special inside guide holds and centers limited volume inserts Cat.No.150820 and 150821 with up to 400µl capacity.

Complete with one-piece polyethylene caps which serve as both cap and septum.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
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150301	2.0ml	12x32mm	100 pcs
150306*	2.0ml	12x32mm	100 pcs

\* amber glass

# MICROLITER VIALS



## MAXIMUM RECOVERY AUTOSAMPLER VIALS

BOROSILICATE GLASS

**H-P 7673, H-P 1090, PERKIN-ELMER, SHIMADZU SIL, THERMO, VARIAN**

- Capacity 1.6ml
- Conical bottom volume 50µl- inject from as little as 5µl

Samples & Reagents

- Complete use of costly standards and derivatizing reagents
- High recovery for sample limited applications

Evaporation

- High concentration ratio (up to 100:1)

Liquid/ Liquid Extraction

- Substantial removal of lower phase

All autosampler vials are packed in our reclosable transparent **CLAMPACK®** which prevents any contamination. Photo on the inside of the cover page.

## CRIMP VIALS

WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP	CASE PACK
155500	1.6ml	12x32mm	11mm	100 pcs
155501*	1.6ml	12x32mm	11mm	100 pcs

\* amber glass

For crimp seals see page 16 and for snap caps see page 18.



## SCREW VIALS

WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP	CASE PACK
155510	1.6ml	12x32mm	9-425	100 pcs
155511*	1.6ml	12x32mm	9-425	100 pcs

\* amber glass

For screw caps see page 9.



## SNAP RING VIALS

WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP	CASE PACK
155505	1.6ml	12x32mm	11mm	100 pcs
155506*	1.6ml	12x32mm	11mm	100 pcs

\* amber glass

For crimp seals see page 16 and for snap caps see page 18.

# LIMITED VOLUME INSERTS



## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

Limited volume inserts for milli- and microliter samples.

Conical bottom provide total downward drainage for maximum retrieval of contents by syringe or micro pipets. Can be used for small reactions, storage and shipping. Use in bio-chemical and pharmaceutical industries. Ideal for injectable chemicals, drugs and reagents used in chromatography.

### CONICAL INSERTS

CAT.NO.	VOLUME	SIZE	FOR VIALS	CASE PACK
150613*	50µl	4x27mm	150640/151120	100 pcs
150610	100µl	5x30mm	150640/151120	100 pcs
150820	300µl	6x30mm	155600/151123	100 pcs

\* requires compression spring #150614 for support.

### CYLINDRICAL INSERTS

CAT.NO.	VOLUME	SIZE	FOR VIALS	CASE PACK
150824	200µl	5x30mm	150640/151120	100 pcs
150821	400µl	6x30mm	155600/151123	100 pcs



## LIMITED VOLUME VIALS

BOROSILICATE GLASS

### AGILENT

Use crimp seals 8mm.

CAT.NO.	VOLUME	SIZE	TYPE	OEM	CASE PACK
151111	200µl	6x32mm	conical	5180-0844	100 pcs
151112	300µl	6x32mm	round	5180-0841	100 pcs
151140*	500µl	7x30mm	conical	5180-0806	100 pcs
151142*	700µl	7x30mm	round	5180-0805	100 pcs
151141*	700µl	7x30mm	cylindrical		100 pcs

\* amber glass



### AGILENT

BOROSILICATE GLASS

For use with snap caps 8mm only.

Vials have special neck finish to match our snap caps 8mm. Very easy to attach snap caps. For colored snap caps see page 17.

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
151115	200µl	6x32mm	conical	100 pcs
151116	300µl	6x32mm	round	100 pcs

### UNICAM, BECKMAN, SGE

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
152610	700µl	7x40mm	conical	100 pcs
152611*	700µl	7x40mm	conical	100 pcs

\* amber glass

# LIMITED VOLUME INSERTS



## AGILENT BOROSILICATE GLASS

Vials have conical bottom for maximum retrieval of contents.

Use crimp seals 11mm on page 16 or screw caps 8-425 on page 13.

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
153800	1.1ml	12x32mm	crimp	100 pcs
153801*	1.1ml	12x32mm	crimp	100 pcs
153810	1.1ml	12x32mm	screw	100 pcs
153811*	1.1ml	12x32mm	screw	100 pcs

\* amber glass



## WATERS WISP™ 48 VIAL CARRIAGE BOROSILICATE GLASS

Use with 4ml vials 150745 & 150746 in the 48 vial carousel.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150710	300µl	6x40mm	15199	100 pcs

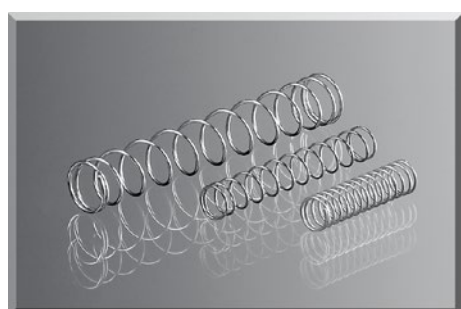
All above inserts require compression springs #150715 for support.

## WATERS WISP™ 96 VIAL CARRIAGE BOROSILICATE GLASS

Use with 1ml vials 150721 & 150751 in the 96 vial carousel.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150730	100µl	5x30mm	72294	100 pcs
150741	300µl	6x30mm		100 pcs

All above inserts require compression springs #150729 for support.



## COMPRESSION SPRINGS STAINLESS STEEL

Needed to support inserts in vials.

CAT.NO.	FOR INSERTS	OEM	CASE PACK
150614	150613		100 pcs
150715	150710	72708	100 pcs
150729	150730/150741	72289	100 pcs

# LIMITED VOLUME INSERTS



## MICROSERT® LIMITED VOLUME INSERTS BOROSILICATE GLASS

The insert is precisely in the center of the vial

- Insert automatically centers in the vial
- Large opening for ease of pipetting
- Perfect seal to septa
- Volume 250µl

Alternative to the very high prices vials with fused inserts.

No plastic feet or metal spring needed for alignment. The insert is always at the proper height for full injection of sample preventing the needle from bending or breaking the insert.

Since the insert is always at the same position in the neck of the vial a perfect seal to the septa is assured.

Inserts also come pre-installed in vials with or without caps for immediate use.

For use with crimp vials 151123, 151124, 151125 & 151126 only.

CAT.NO.	VOLUME	SIZE	CASE PACK
156105	250µl	6x30mm	100 pcs



## CRIMP VIALS WITH MOUNTED HANGING INSERTS

Consists of wide opening crimp vials 151123, 151124, 151125 & 151126 and inserts 156105 pre-installed in vials for immediate use.

Eliminates the use of compression springs for insert alignment while offering the convenience of standard autosampler vials which can be reused.

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155700	250µl	12x32mm	clear glass	100 pcs
155701	250µl	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155702	250µl	12x32mm	clear glass	100 pcs
155703	250µl	12x32mm	amber glass	100 pcs

For crimp seals 11mm see page 16 and for snap caps 11mm see page 18.

Vials and closures are also available packed in our transparent reclosable **KITPACK®** with appropriate closures on request.

# VIALS & INSERTS



## AUTOSAMPLER VIALS WITH INTEGRATED INSERTS

BOROSILICATE GLASS

Alternative to the very high priced vials with bonded (fused) inserts.

- Insert automatically centers in vial
- Large opening for ease of pipetting
- Perfect seal to septa
- Volume 300µl

No plastic or metal springs needed for alignment. The inserts are always at the proper height for full injection of sample, preventing the needle from bending or breaking the insert.

Since the insert is always at same position in the neck of the vial a perfect seal to the septa is assured.

Inserts are pre-installed in vials for immediate use.

## CRIMP VIALS WITH INTEGRATED INSERTS

Wide opening crimp vials 151123, 151124, 151125 and 151126.  
Uses inserts 150820

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155705	0.3ml	12x32mm	clear glass	100 pcs
155706	0.3ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155707	0.3ml	12x32mm	clear glass	100 pcs
155708	0.3ml	12x32mm	amber glass	100 pcs

For crimp seals see page 16 and for snap caps see page 18.



## XL® SCREW VIALS WITH INTEGRATED INSERTS

Wide opening screw vials 155600, 155601, 155602 and 155603.  
Uses inserts 155650

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155710	0.3ml	12x32mm	clear glass	100 pcs
155711	0.3ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155712	0.3ml	12x32mm	clear glass	100 pcs
155713	0.3ml	12x32mm	amber glass	100 pcs

For screw caps see page 9.



## SCREW VIALS WITH INTEGRATED INSERTS

Standard opening screw vials 150640, 150641, 150642 and 150643.  
Uses inserts 150610

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155715	0.1ml	12x32mm	clear glass	100 pcs
155716	0.1ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155717	0.1ml	12x32mm	clear glass	100 pcs
155718	0.1ml	12x32mm	amber glass	100 pcs

For screw caps see page 13.

# VIALS & INSERTS



## AUTOSAMPLER VIALS WITH BONDED INSERTS

BOROSILICATE GLASS

For microsampling, trace analysis, environmental work, clinical investigations.

Eliminates the use of compression springs or plastic feet for insert alignment while offering the convenience of standard autosampler vials.

Use aluminum crimp seals 11mm or snap caps 11mm.

## CRIMP VIALS WITH BONDED INSERTS

BOROSILICATE GLASS

### WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155400	0.3ml	12x32mm	clear glass	100 pcs
155401	0.3ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155402	0.3ml	12x32mm	clear glass	100 pcs
155403	0.3ml	12x32mm	amber glass	100 pcs

For crimp seals see page 16 and for snap caps see page 18.



## XL® SCREW VIALS WITH BONDED INSERTS

BOROSILICATE GLASS

### WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155410	0.3ml	12x32mm	clear glass	100 pcs
155411	0.3ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155412	0.3ml	12x32mm	clear glass	100 pcs
155413	0.3ml	12x32mm	amber glass	100 pcs

For screw caps see page 9.



## SNAP RING VIALS WITH BONDED INSERTS

BOROSILICATE GLASS

### WIDE OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	VIAL TYPE	CASE PACK
155405	0.3ml	12x32mm	clear glass	100 pcs
155406	0.3ml	12x32mm	amber glass	100 pcs

### VIALS WITH WRITING SPOT

155407	0.3ml	12x32mm	clear glass	100 pcs
155408	0.3ml	12x32mm	amber glass	100 pcs

For crimp seals see page 16 and for snap caps see page 18.



## GC-INJECTION PORT SEPTA

### TEMPERATURE LIMIT

Theoretically silicone rubber retains its properties over a range of -100 to +315°C. But different formulations of silicone rubber have different characteristics which affect its performance at high temperatures. Additionally, the injection port temperature that is set on the GC is not an actual measure of the septum temperature. Most injection ports are designed with fins on the septum nut to help cool the septum. The actual septum temperature in most ports set at 400°C is usually in the range of 280°C or less (although the temperature one inch into the port will be 400°C).

### SEPTUM BLEED

The traditional method of making low bleed septa is to polymerize and cross-link the silicone heavily, then bake it to drive off residuals, which results in a hard septum. Other septa can be conditioned by heating in the GC injection port, but once they are punctured the internal components are exposed and tend to show bleed.

### SEPTUM CORING

Septum coring is an issue with anyone concerned with plugged needles or columns. Our septa have an excellent high-temperature softness, which reduces the incidence of tearing. This softness also enhances resealability and increases durability. It accommodates the use of wider needles or needles that are slightly bent, without a needle guide. However, we recommend the use of a needle guide since it extends the life of any septum by confining punctures to a small area.

CAT.NO.	COLOR	DIAMETER	TEMP/C°	CASE PACK
156003	Green	9.5mm	300°	25 pcs
156018	Blue	9.5mm	350°	25 pcs
156015	Red	9.5mm	400°	25 pcs
156004	Green	11.0mm	300°	25 pcs
156019	Blue	11.0mm	350°	25 pcs
156016	Red	11.0mm	400°	25 pcs
156005	Green	12.5mm	300°	25 pcs
156020	Blue	12.5mm	350°	25 pcs
156017	Red	12.5mm	400°	25 pcs
156031	Green	17.0mm	300°	25 pcs
156036	Blue	17.0mm	350°	25 pcs
156035	Red	17.0mm	400°	25 pcs





## GC-INJECTION PORT SEPTA

All septa are made from 100% pure premium silicone rubber. The longevity line of GC septa deliver the ultimate in low bleed and long life. Our unique formulation and conditioning process, as well as our ability to provide custom packaging, is what separates our GC septa from the rest.

### FEATURES

- Conditioned for ultra low bleed
- Soft, strong premium silicone
- Manufactured to order
- Production date on each package

### BENEFITS

- Reduced handling/contamination
- No interfering peaks
- Easy needle penetration/resealability
- Easily control/identify inventory

## ULTRA LOW BLEED SEPTA

CAT.NO.	COLOR	DIAMETER	TEMP/C°	CASE PACK
160500	purple	9.5mm	325°	25 pcs
160501	purple	10.0mm	325°	25 pcs
160502	purple	11.0mm	325°	25 pcs
160503	purple	17.0mm	325°	25 pcs

## ULTRA LOW BLEED SEPTA WITH GUIDE HOLES

CAT.NO.	COLOR	DIAMETER	TEMP/C°	CASE PACK
160505	purple	9.5mm	325°	25 pcs
160506	purple	10.0mm	325°	25 pcs
160507	purple	11.0mm	325°	25 pcs
160508	purple	17.0mm	325°	25 pcs

## ULTRA LOW BLEED SEPTA HIGH TEMPERATURE

CAT.NO.	COLOR	DIAMETER	TEMP/C°	CASE PACK
160510	red	9.5mm	400°	25 pcs
160511	red	10.0mm	400°	25 pcs
160512	red	11.0mm	400°	25 pcs
160513	red	17.0mm	400°	25 pcs

## ULTRA LOW BLEED SEPTA WITH GUIDE HOLES HIGH TEMPERATURE

CAT.NO.	COLOR	DIAMETER	TEMP/C°	CASE PACK
160515	red	9.5mm	400°	25 pcs
160516	red	10.0mm	400°	25 pcs
160517	red	11.0mm	400°	25 pcs
160518	red	17.0mm	400°	25 pcs

## SHIMADZU ULTRA LOW BLEED SEPTA HIGH TEMPERATURE

CAT.NO.	COLOR	TEMP/C°	CASE PACK
160520	red	400°	25 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**7693,7683,7673A/B,7671/2,7670,1050,1090,1100,1200,1260,1290,850AS**

Use crimp seals 11mm or snap caps 11mm.

These vials feature a wide opening which reduces needle damage and easier needle positioning. Also allowing the use of larger limited volume inserts with a capacity of up to 300µl Cat.No. 150820 conical and 150821 cylindrical.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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### WIDE OPENING VIALS

151123	2.0ml	12x32mm	5181-3375	100 pcs
151124*	2.0ml	12x32mm		100 pcs

\* amber glass

### VIALS WITH MARKING AREA

151125	2.0ml	12x32mm	5182-0543	100 pcs
151126*	2.0ml	12x32mm	5181-3376	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

All crimp seals have a 5.5mm hole to reduce bent needles.

CAT.NO.	SIZE	COLOR	OEM	CASE PACK
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### RUBBER/ETFE SEPTA

151216	11mm	Silver	5181-1210	100 pcs
151216B	11mm	Blue	5181-1215	100 pcs
151216G	11mm	Green	5181-1216	100 pcs
151216R	11mm	Red	5181-1217	100 pcs

### SILICONE/PTFE SEPTA

151266	11mm	Silver	5182-0552	100 pcs
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### PTFE/SILICONE/PTFE SEPTA

151267	11mm	Silver	5181-1211	100 pcs
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## SNAP-ON® CAPS

POLYETHYLENE

These snap caps 11mm are perfectly matched to work with above vials.

CAT.NO.	DESCRIPTION	COLOR	OEM	CASE PACK
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153310	PTFE	Natural	5182-0540	100 pcs
153315	PTFE/Silicone/PTFE	Natural	5182-0566	100 pcs
153322	Silicone/PTFE	Natural	5182-0541	100 pcs
153335	Silicone/PTFE slit	Natural	5183-4511	100 pcs

153325	Rubber/ETFE	Natural	5182-0550	100 pcs
153326	Rubber/ETFE	Red	5182-0874	100 pcs
153327	Rubber/ETFE	Blue	5182-0873	100 pcs
153329	Rubber/ETFE	Green	5182-0860	100 pcs

153330	Linerless	Natural	5182-0542	100 pcs
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Colored snap caps available on page 18.

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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150820	300µl	6x30mm	5181-1270	100 pcs
150821	400µl	6x30mm	5181-3377	100 pcs



## XL® AUTOSAMPLER VIALS

BOROSILICATE GLASS

7693,7683,7673A/B,7671/2,7670,1050,1090,1100,1200,1260,1290,850AS

Use screw caps 9-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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### WIDE OPENING VIALS

155600	2.0ml	12x32mm	5182-0714	100 pcs
155601*	2.0ml	12x32mm	5188-6535	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

155602	2.0ml	12x32mm	5182-0715	100 pcs
155603*	2.0ml	12x32mm	5182-0716	100 pcs

\* amber glass

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

Screw caps 9-425 with pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
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155631	Blue	Rubber/ETFE	5182-0717	100 pcs
155632	Red	Rubber/ETFE	5182-0719	100 pcs
155634	Green	Rubber/ETFE	5182-0718	100 pcs

155621	Blue	Silicone/PTFE	5182-0720	100 pcs
155622	Red	Silicone/PTFE	5182-0722	100 pcs
155624	Green	Silicone/PTFE	5182-0721	100 pcs

155626	Blue	PTFE/Silicone/PTFE	5182-0723	100 pcs
155627	Red	PTFE/Silicone/PTFE	5182-0725	100 pcs
155629	Green	PTFE/Silicone/PTFE	5182-0724	100 pcs

155636	Blue	Silicone/PTFE slit	5183-2076	100 pcs
155637	Red	Silicone/PTFE slit	5183-2078	100 pcs
155639	Green	Silicone/PTFE slit	5183-2077	100 pcs

## XL® SCREW CAPS OPEN TOP

POLYPROPYLENE

CAT.NO.	COLOR	OEM	CASE PACK
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155611	Blue	5182-0728	100 pcs
155612	Red	5182-0726	100 pcs
155614	Green	5182-0727	100 pcs

## SEPTA

CAT.NO.	DESCRIPTION	OEM	CASE PACK
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155617	Rubber/ETFE	5182-0731	100 pcs
155615	Silicone/PTFE	5182-0730	100 pcs
155616	PTFE/Silicone/PTFE	5182-0729	100 pcs
155618	Silicone/PTFE slit	5183-2074	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

For use with all crimp and screw top vials.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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150820	300µl	6x30mm	5181-1270	100 pcs
150821	400µl	6x30mm	5181-3377	100 pcs



## XL® SCREW VIAL KITS

Kit contains wide opening autosampler vials and screw caps with mounted septa.

CAT.NO.	VOLUME	DESCRIPTION	OEM	CASE PACK
<b>CLEAR GLASS</b>				
154921	2.0ml	Rubber/ETFE	5182-0553	100 pcs
154920	2.0ml	Silicone/PTFE	5182-0557	100 pcs
154923	2.0ml	PTFE/Sili/PTFE	5182-0555	100 pcs
<b>AMBER GLASS</b>				
154940	2.0ml	Rubber/ETFE	5182-0554	100 pcs
154941	2.0ml	Silicone/PTFE	5182-0558	100 pcs
154942	2.0ml	PTFE/Sili/PTFE	5182-0556	100 pcs
<b>VIALS WITH WRITING SPOT</b>				
154945	2.0ml	Rubber/ETFE	5182-0864	100 pcs
154946	2.0ml	Silicone/PTFE	5182-0865	100 pcs
154947	2.0ml	PTFE/Sili/PTFE	5182-0866	100 pcs

## PLASTIC VIALS WITH GLASS INSERTS

HP 7670/71/72

Polypropylene vials with mounted borosilicate glass insert.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
158051	100µl	12x32mm	9301-0977	100 pcs

## PLASTIC MICRO VIALS

HP 7670/71/72

These vials are made of non-ionic polypropylene and are chemically inert. They minimize pH changes and ion contamination. They have an internal tapered cone for maximum retrieval of content.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
158003	300µl	12x32mm	5183-4731	100 pcs

## MAXIMUM RECOVERY AUTOSAMPLER VIALS

WIDE OPENING CRIMP VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP	OEM	CASE PACK
155500	1.6ml	12x32mm	11mm	5182-3454	100 pcs

## MAXIMUM RECOVERY AUTOSAMPLER VIALS

WIDE OPENING SNAP RING VIALS

CAT.NO.	VOLUME	VIAL SIZE	CAP	OEM	CASE PACK
155505	1.6ml	12x32mm	11mm	5182-3454	100 pcs

## CRIMP VIALS

1100 Series LC/ 1200

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151114	10ml	22x38mm	9301-1419	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151287	20mm	Silicone/PTFE	9301-1425	100 pcs





## MICRO VIALS

BOROSILICATE GLASS

Limited volume vials 151111 have a conical bottom for total downward drainage for maximum retrieval of content. Also available with round bottom 151112 for more volume.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151111	200µl	6x32mm	5180-0844	100 pcs
151112	300µl	6x32mm	5180-0841	100 pcs

## MINI VIALS

BOROSILICATE GLASS

These round bottom vials 151142 and tapered vials 151140 are used with the HP 1050- 34 vial tray only.

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151142*	700µl	7x30mm	5180-0805	100 pcs
151140*	500µl	7x30mm	5180-0806	100 pcs

\* amber glass

## VIALSTATION®

ACRYLIC

This heavy acrylic vial rack stands firm on the lab bench. There is sufficient space between the vials which allows crimping. Holds 50 vials.

CAT.NO.	VIAL	OEM	CASE PACK
153500	Micro	5061-3349	1 each
153507	Mini	5062-2405	1 each

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

For Micro & Mini Vials 151111, 151112, 151140, 151142

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151213	8mm	Rubber/ETFE	5180-4489	100 pcs
151256	8mm	Silicone/PTFE	5180-4490	100 pcs
151257	8mm	PTFESilicone/PTFE	5180-0842	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
153410	8mm	PTFE		100 pcs
153415	8mm	PTFE/Silicone/PTFE		100 pcs
153420	8mm	Silicone/PTFE		100 pcs
153425	8mm	Rubber/ETFE		100 pcs

## SNAP CAPS LINERLESS

153430	8mm	Molded	5183-4488	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**501,502,507,SYSTEM GOLD®HPLC,MARATHON,PROMIS,TRIATHLON**

The 502 autosampler has a 92 vial capacity with 4 additional vials reserved for needle wash. An optional large sample vial kit holds 48 vials with a capacity of 4ml for semi-preparative applications and increases the maximum injection volume to 2ml.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

CAT.NO.	CAP SIZE	COLOR	CASE PACK
150601	8-425	Black	100 pcs
150601R	8-425	Red	100 pcs
150601B	8-425	Blue	100 pcs
150601Y	8-425	Yellow	100 pcs
150601G	8-425	Green	100 pcs

## SEPTA

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
150603	8mm	Butyl/PTFE	100 pcs
150604	8mm	Silicone/PTFE	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**BECKMAN 504**

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
152601*	0.8ml	7x40mm	8mm	100 pcs
152611*	0.7ml	7x40mm	8mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm for vials 152601 & 152611

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153425	8mm	Rubber/ETFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs

## SNAP CAPS LINERLESS

153430	8mm	Molded	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### P/ACE SYSTEM

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150745	4.0ml	15x45mm	358807	100 pcs
150746*	4.0ml	15x45mm		100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

PHENOLIC

CAT.NO.	SIZE	COLOR	CASE PACK
150701	13-425	Black	100 pcs

## SEPTA

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150703	12mm	Butyl/PTFE	100 pcs
150704	12mm	Silicone/PTFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	CASE PACK
150710*	300µL	6x40mm	100 pcs

\* compression springs #150715 needed for support

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	CASE PACK
150715	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

Use snap caps 13mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
158100	4.0ml	15x45mm	13mm	100 pcs
158101*	4.0ml	15x45mm	13mm	100 pcs

\* amber glass

## SNAP-ON® CAPS

POLYETHYLENE

Natural color snap caps 13mm. For colored snap caps see page 19.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
158120	13mm	Silicone/PTFE	100 pcs
158125	13mm	Rubber/ETFE	100 pcs
158135	13mm	Silicone/PTFE single slit	100 pcs
158140	13mm	Silicone/PTFE cross slit	100 pcs
158145	13mm	Silicone/PTFE star slit	100 pcs



## SAMPLE VIALS

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151805	8.0ml	16x61mm	100 pcs
151806*	8.0ml	16x61mm	100 pcs

\* amber glass

## SCREW CAPS

PHENOLIC

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151810	15-425	Open Top	100 pcs
151811	15-425	Solid Top	100 pcs

## SEPTA

CAT.NO.	DIAMETER	DESCRIPTION	THICK	CASE PACK
151815	13mm	Silicone/PTFE single slit	1.0mm	100 pcs
151816	13mm	Silicone/PTFE	1.0mm	100 pcs



## MICRO VIALS

BOROSILICATE GLASS

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	TYPE	CASE PACK
151112*	0.3ml	6x32mm	round	100 pcs
151111	0.2ml	6x32mm	conical	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151256	8mm	Silicone/PTFE	100 pcs
151213	8mm	Rubber/ETFE	100 pcs



## CULTURE TUBES

BOROSILICATE GLASS

Culture tubes have round bottom and screw neck finish. Use screw caps 15-415.

CAT.NO.	SIZE	VOLUME	CASE PACK
154800	16x100mm	12ml	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED LINERS

PHENOLIC

Screw caps open top with pre-assembled liners.

CAT.NO.	SIZE	LINERS	CASE PACK
154820	15-415	Silicone/PTFE	100 pcs





**MICRO VIALS**

BOROSILICATE GLASS

**CMA-142, CMA-470, MICROFRACTION COLLECTOR**

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	TYPE	CASE PACK
151112*	0.3ml	6x32mm	round	100 pcs
151111	0.2ml	6x32mm	conical	100 pcs

\* CMA-7431007

**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

For vials with 8mm crimp neck.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151256	8mm	Silicone/PTFE	100 pcs
151213	8mm	Rubber/ETFE	100 pcs

**SNAP-ON® CAPS**

POLYETHYLENE

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs

**SNAP CAPS LINERLESS**

153430	8mm	Molded	100 pcs
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CMA-7432175



**PLASTIC MICRO VIALS**

POLYPROPYLENE

These vials are precision injection-molded and fit a variety of autosamplers. Polypropylene provides safety from breakage and dimension tolerance reliability for capping and instrumentation use.

This vials are non-ionic, minimizing pH changes and ion contamination.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
158000	0.30ml	12x32mm	11mm	1000 pcs

CMA- 7431100

**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

For vials 158000

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151266	11mm	Silicone/PTFE	100 pcs
151216	11mm	Rubber/ETFE	100 pcs

**SNAP-ON® CAPS**

POLYETHYLENE

Natural colored snap caps 11mm for vials 158000.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153320	11mm	Silicone/PTFE	100 pcs

**SNAP CAPS LINERLESS**

153330	11mm	Molded	100 pcs
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**HEADSPACE VIALS**

BOROSILICATE GLASS

**COMBI PAL®**

All vials have a strengthened base with a specific radius design which will withstand internal pressures during analysis.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
157100	10ml	22x46mm	100 pcs
157101*	10ml	22x46mm	100 pcs
157102	20ml	22x75mm	100 pcs
157103*	20ml	22x75mm	100 pcs

\* amber glass

**BI-METAL® CRIMP SEALS & SEPTA**

ALUMINUM & TIN

These crimp seals solve all the problems incurred with the present steel caps available which are very hard to crimp and decrimp. They are made of aluminum for easy crimping and have a tin center so that the robot magnet can pick up the vial for transport.

The hole diameter of 8mm is suitable for SPME use.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
<b>RED CRIMP SEALS</b>			
157115	20mm	Butyl/PTFE	100 pcs
157116	20mm	Blue Silicone/PTFE	100 pcs
157117	20mm	Red Silicone/PTFE	100 pcs
<b>BLUE CRIMP SEALS</b>			
157120	20mm	Butyl/PTFE	100 pcs
157121	20mm	Blue Silicone/PTFE	100 pcs
157122	20mm	Red Silicone/PTFE	100 pcs
<b>GREEN CRIMP SEALS</b>			
157125	20mm	Butyl/PTFE	100 pcs
157126	20mm	Blue Silicone/PTFE	100 pcs
157127	20mm	Red Silicone/PTFE	100 pcs
<b>GOLD CRIMP SEALS</b>			
157130	20mm	Butyl/PTFE	100 pcs
157131	20mm	Blue Silicone/PTFE	100 pcs
157132	20mm	Red Silicone/PTFE	100 pcs
<b>SILVER CRIMP SEALS</b>			
157135	20mm	Butyl/PTFE	100 pcs
157136	20mm	Blue Silicone/PTFE	100 pcs
157137	20mm	Red Silicone/PTFE	100 pcs
<b>GOLD-SILVER CRIMP SEALS with 5.5mm hole</b>			
For use with smaller magnet that is used for 11mm steel seals.			
157140	20mm	Butyl/PTFE	100 pcs
157141	20mm	Blue Silicone/PTFE	100 pcs
157142	20mm	Red Silicone/PTFE	100 pcs

**TEMPERATURE RANGE:**

Butyl/PTFE	140°C
Blue silicone/PTFE	200°C
Red silicone/PTFE	250°C



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### WIDE OPENING VIALS

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## MAGNETIC CRIMP SEALS & SEPTA

METAL

These steel crimp seals 11mm were designed for use in the Combi PAL auto-sampler. They can be picked up by the robot magnet to transport the vials.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
157150	11mm	Rubber/ETFE	100 pcs
157151	11mm	Silicone/PTFE	100 pcs
157152	11mm	PTFE/Silicone/PTFE	100 pcs
157153	11mm	Butyl/PTFE	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials

- ETFE-faced natural rubber for routine analysis
- PTFE-faced silicone rubber provides excellent resealing
- PTFE/silicone/PTFE reduces coring problems
- Butyl/PTFE-faced liner for long term storage

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs



**HEADSPACE VIALS**

BOROSILICATE GLASS

**HSS 89.50, HSS 39.50**

For use with crimp seals 20mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
152800	20ml	22x75mm	20mm	100 pcs
152810	10ml	22x46mm	20mm	100 pcs

**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

Can be punctured many times and reseals instantly puncture after puncture. Silicone compound used is designed for coring resistance and sealability.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
152801	20mm	Silicone/PTFE	100 pcs
152802	20mm	Butyl/PTFE	100 pcs
152803	20mm	Rubber	100 pcs

**PRESSURE RELIEF CRIMP SEALS & SEPTA**

ALUMINUM

Crimp seals have bridges and scorelines which break at 3 bar.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
152804	20mm	Butyl/PTFE	100 pcs
152805	20mm	Silicone/PTFE	100 pcs

**AUTOSAMPLER VIALS**

BOROSILICATE GLASS

**ALS 39.80 & ALS 86.80**

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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**STANDARD VIALS**

151120	2.0ml	12x32mm	11mm	100 pcs
151121*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

**WIDE OPENING VIALS**

151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

**VIALS WITH WRITING SPOT**

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### ASE 200

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151910	40ml	27x 95mm	49465	100 pcs
151912	60ml	27x140mm	49466	100 pcs

### AMBER GLASS

151911	40ml	27x 95mm		100 pcs
151913	60ml	27x140mm		100 pcs

## SCREW CAPS OPEN TOP

PHENOLIC

CAT.NO.	SIZE	COLOR	CASE PACK
151902	24-400	Black	100 pcs
151905	24-400	White	100 pcs

## SEPTA

CAT.NO.	THICKNESS	DESCRIPTION	CASE PACK
151906	1.5mm	Silicone/PTFE	100 pcs
151907	2.0mm	Silicone/PTFE	100 pcs
151908	3.0mm	Silicone/PTFE	100 pcs

## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### AS 50- AUTOSELECT, AS-AP

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
151123	2.0ml	12x32mm	11mm	100 pcs
151107	10.0ml	22x46mm	20mm	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151266	11mm	Silicone/PTFE	100 pcs
151286	20mm	Butyl/PTFE	100 pcs
151287	20mm	Silicone/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	CASE PACK
150820	300µl	6x30mm	100 pcs
Use with vials 151123			

# FISONS- CARLO ERBA



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### CE- AS200

Use crimp seals 8mm or snap caps 8mm.

CAT.NO	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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#### CYLINDRICAL

152600	0.8ml	7x40mm	8mm	100 pcs
152601*	0.8ml	7x40mm	8mm	100 pcs

\* amber glass

#### CONICAL

152610	0.7ml	7x40mm	8mm	100 pcs
152611*	0.7ml	7x40mm	8mm	100 pcs

\* amber glass

### CARLO ERBA 60 VIAL TRAY

Use crimp seals 8mm. For colored crimp seals see page 16.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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151100	0.8ml	8x30mm	8mm	200 pcs
151106*	0.8ml	8x30mm	8mm	200 pcs

#### CONICAL

151140*	0.5ml	7x30mm	8mm	100 pcs
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\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

For all vials with 8mm crimp neck.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs
151257	8mm	PTFE/Silicone/PTFE	100 pcs
151259	8mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs

### SNAP CAPS LINERLESS

153430	8mm	Molded	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### CE-8000

For use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
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151112	0.3ml	6x32mm	Round	100 pcs
151111	0.2ml	6x32mm	Conical	100 pcs

# FISONS- CARLO ERBA



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### CE-42 & 105 VIAL TRAY/ AS-800

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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#### STANDARD VIALS

151120	2.0ml	12x32mm	11mm	100 pcs
151121*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

#### WIDE OPENING VIALS

151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

#### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

#### SNAP CAPS LINERLESS

153330	11mm	Molded 0.25mm	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into all of our vials. Inserts 150613 require a compression spring 150614 for support.

CAT.NO.	VOLUME	SIZE	VIALS	CASE PACK
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150613*	50µl	4x27mm	151120	100 pcs
150610	100µl	5x30mm	151120	100 pcs
150820	300µl	6x30mm	151123	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	CASE PACK
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150614	37mm	5mm	100 pcs
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# FISONS- CARLO ERBA



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### CE-8000

For use with screw caps 8-425.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

CAT.NO.	CAP SIZE	COLOR	CASE PACK
150601	8-425	Black	100 pcs

## PTFE LINER

For use with screw caps 150601.

CAT.NO.	DIAMETER	THICKNESS	CAP SIZE	CASE PACK
150605	8mm	0.25mm	8-425	1000 pcs

## SEPTA

For use with screw caps 150601.

CAT.NO.	SEPTA	DESCRIPTION	CASE PACK
150603	8mm	Butyl/PTFE	100 pcs
150604	8mm	Silicone/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into all of our vials. Inserts 150613 require a compression spring 150614 for support.

CAT.NO.	VOLUME	SIZE	CASE PACK
150613*	50µl	4x27mm	100 pcs
150610	100µl	5x30mm	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	CASE PACK
150614	37mm	5mm	100 pcs





## HEADSPACE VIALS

BOROSILICATE GLASS

### MULTI PURPOSE SAMPLER- MPS 2

These screw thread headspace vials use convenient magnetic screw caps eliminating the use of crimping. There is no risk of incorrect crimping.

They are made of steel and can be picked up by a robot magnet which are used in the many autosamplers.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	OEM	CASE PACK
157200	10ml	22x46mm	18mm	093640-038-00	100 pcs
157201*	10ml	22x46mm	18mm	093640-039-00	100 pcs
157202	20ml	22x75mm	18mm	093640-036-00	100 pcs
157203*	20ml	22x75mm	18mm	093640-037-00	100 pcs

\* amber glass

## MAGNETIC SCREW CAPS W. ULTRA CLEAN SEPTA

METAL

### ULTRA CLEAN SEPTA

Screw caps with pre-assembled ultra low bleed septa. Septa are conditioned to remove volatiles such as siloxanes.

Screw caps have an 8mm center hole and have pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
157211	Silver	Silicone wht/PTFE blue	093640-041-00	100 pcs
157213	Silver	Silicone blue/PTFE	093640-040-00	100 pcs

## SILICONE/PTFE ULTRA CLEAN SEPTA

### ULTRA CLEAN SEPTA ONLY

CAT.NO.	DESCRIPTION	OEM	CASE PACK
157221	Silicone wht/PTFE blue	093640-056-00	100 pcs
157223	Silicone blue/PTFE	093640-057-00	100 pcs

## MAGNETIC SCREW CAPS W. SEPTA

METAL

Screw caps have an 8mm center hole and pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
157210	Silver	Butyl red/PTFE gray	093640-058-00	100 pcs

## WATER SAMPLING VIALS

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151900	40ml	27x95mm	094210-000-00	100 pcs

## SCREW CAPS W. BONDED SILICONE/PTFE SEPTA

POLYPROPYLENE

Screw caps 24-414 come with pre-assembled septa.

CAT.NO.	CAP SIZE	COLOR	OEM	CASE PACK
157715	24-414	Black	093640-094-00	100 pcs



## HEADSPACE VIALS

BOROSILICATE GLASS

### MULTI PURPOSE SAMPLER- MPS 2

All vials have a strengthened base with a specific radius design which will withstand internal pressures during analysis.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
157100	10ml	22x46mm	093640-005-00	100 pcs
157102	20ml	22x75mm	093640-006-00	100 pcs

## BI-METAL® CRIMP SEALS W. PRE-ASSEMBLED SEPTA

ALUMINUM & TIN

These crimp seals solve all the problems incurred with the present steel caps available that are very hard to crimp and decrimp. They are made of aluminum for easy crimping and have a tin center so that the robot magnet can pick up the vial for transport.

The hole diameter of 8mm is suitable for SPME use.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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### RED CRIMP SEALS

157116	20mm	Blue Silicone/PTFE	093640-063-00	100 pcs
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## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

METAL

HOLE DIAMETER 8mm for SPME use

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
157110	20mm	Butyl/PTFE	093640-050-00	100 pcs
157111	20mm	Silicone/PTFE	093640-030-00	100 pcs

## BOTTLE

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
152020	100ml	52x95mm	093640-062-00	88 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 20mm with center hole.

CAT.NO.	DIAMETER	DESCRIPTION	OEM	CASE PACK
151287	20mm	Silicone/PTFE	093640-067-00	100 pcs
151289	20mm	Silicone/PTFE	093640-002-00	100 pcs

## AUTOSAMPLER VIAL

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
152600	0.7ml	7x40mm	093640-052-00	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 8mm with pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151256	8mm	Silicone/PTFE	093640-053-00	100 pcs



## AUTOSAMPLER VIAL

BOROSILICATE GLASS

### MULTI PURPOSE SAMPLER- MPS 2, MPS 3

Use crimp seals 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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#### WIDE OPENING VIALS

151123	2.0ml	12x32mm	093640-004-00	100 pcs
151124*	2.0ml	12x32mm		100 pcs

\* amber glass

#### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm		100 pcs
151126*	2.0ml	12x32mm		100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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151216	11mm	Rubber/ETFE	093640-089-00	100 pcs
151266	11mm	Silicone/PTFE	093640-090-00	100 pcs

## MAGNETIC CRIMP SEALS WITH SEPTA

METAL

These steel crimp seals were designed for use in autosamplers where the vials are picked up by a robot magnet for transport.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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157151	11mm	Silicone/PTFE	093640-007-00	100 pcs
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## XL® VIALS

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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#### WIDE OPENING VIALS

155600	2.0ml	12x32mm	093640-046-00	100 pcs
155601*	2.0ml	12x32mm	093640-095-00	100 pcs

\* amber glass

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
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155621	Blue	Silicone/PTFE	093640-075-00	100 pcs
155660	Natural	Silicone/PTFE	093640-072-00	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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150821	400µl	6x30mm	093640-047-00	100 pcs
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## MAXIMUM RECOVERY AUTOSAMPLER VIALS

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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155510	1.6ml	12x32mm	093640-045-00	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**655-A40, L-7200, L-7250, L-9100, AS-1000, AS 2000, AS 4000, AS 6000, LaChrom Elite® L-2200, LaChrom Ultra L-2200U**

For use with screw caps 8-425.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

CAT.NO.	CAP SIZE	CASE PACK
150601	8-425	100 pcs

## PTFE LINER

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
150605	8mm	0.25mm	1000 pcs

## PRE-CUT SEPTA

Liners are pre-cut for easy needle penetration.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150608	8mm	Silicone/PTFE single slit	100 pcs
150618	8mm	Silicone/PTFE cross slit	100 pcs
150619	8mm	Silicone/PTFE star slit	100 pcs

## SEPTA

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150604	8mm	Silicone/PTFE	100 pcs
150603	8mm	Butyl/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

Conical bottom provide total downward drainage for maximum retrieval of contents by syringe, reducing the volume of sample needed.

**INSERTS for AS 2000, AS 4000**

CAT.NO.	VOLUME	SIZE	CASE PACK
150613*	50µl	4x27mm	100 pcs
150610	100µl	5x30mm	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	INSERTS	CASE PACK
150614	4x27mm	100 pcs

use with inserts #150613



## AUTOSAMPLER VIAL

BOROSILICATE GLASS

**655-A40, L-7200, L-7250, L-9100, AS-1000, AS 2000, AS 4000, AS 6000, LaChrom Elite® L-2200, LaChrom Ultra L-2200U**

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### STANDARD VIALS

151120	2.0ml	12x32mm	11mm	100 pcs
151121*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

### WIDE OPENING VIALS

151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153310	11mm	PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153335	11mm	Silicone/PTFE single slit	100 pcs

### SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into all of our vials. Inserts 150613 require compression spring 150614 for support.

CAT.NO.	VOLUME	SIZE	FOR VIALS	CASE PACK
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150613*	50µl	4x27mm	151120	100 pcs
150610	100µl	5x30mm	151120	100 pcs
150820	300µl	6x30mm	151123	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

For support of limited volume inserts 150613.

CAT.NO.	LENGTH	DIAMETER	CASE PACK
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150614	4x27mm	5mm	100 pcs
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**XL® AUTOSAMPLER VIALS**

BOROSILICATE GLASS

**HT280T, HT3000A, HT3100A, HT3200A, HT300L, HT800L**

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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**WIDE OPENING VIALS**

155600	2.0ml	12x32mm	9-425	100 pcs
155601*	2.0ml	12x32mm	9-425	100 pcs

\* amber glass

**WIDE OPENING VIALS WITH WRITING SPOT**

155602	2.0ml	12x32mm	9-425	100 pcs
155603*	2.0ml	12x32mm	9-425	100 pcs

\* amber glass

**XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA**

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CASE PACK
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155620	Black	Silicone/PTFE	100 pcs
155621	Blue	Silicone/PTFE	100 pcs
155622	Red	Silicone/PTFE	100 pcs
155623	Yellow	Silicone/PTFE	100 pcs
155624	Green	Silicone/PTFE	100 pcs

**XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA**

POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	CASE PACK
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155630	Black	Rubber/ETFE	100 pcs
155631	Blue	Rubber/ETFE	100 pcs
155632	Red	Rubber/ETFE	100 pcs
155633	Yellow	Rubber/ETFE	100 pcs
155634	Green	Rubber/ETFE	100 pcs

**XL® SCREW CAPS WITH ULTRA CLEAN SEPTA**

GC/MS APPLICATIONS

Screw caps have ultra low bleed septa installed. Septa are conditioned to remove volatiles such as siloxanes.

CAT.NO.	COLOR	DESCRIPTION	CASE PACK
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155665	Black	ULTRA CLEAN Silicone/PTFE	100 pcs
155666	Blue	ULTRA CLEAN Silicone/PTFE	100 pcs
155667	Red	ULTRA CLEAN Silicone/PTFE	100 pcs
155668	Yellow	ULTRA CLEAN Silicone/PTFE	100 pcs
155669	Green	ULTRA CLEAN Silicone/PTFE	100 pcs

**HT300L**

With large volume option can use 10ml crimp vials.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
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151117	10ml	23x46mm	100 pcs
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**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

Crimp seals 20mm with center hole.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
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151286	20mm	Butyl red/PTFE gray	100 pcs
151287	20mm	Silicone transp. blue/PTFE	100 pcs





## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### LC 1600

For use with crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### WIDE OPENING VIALS

152300	2.5ml	12x40mm	11mm	100 pcs
152301*	2.5ml	12x40mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials.

- ETFE-faced natural rubber for routine analysis
- PTFE-faced silicone rubber provides excellent resealing
- PTFE-silicone-PTFE reduces coring problems
- Butyl/PTFE-faced liner for long term storage

CAT.NO.	SIZE	TYPE	CASE PACK
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151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

### SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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## MICROSERV® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	CASE PACK
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152310*	300µl	6x35mm	100 pcs
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\* compression springs #152315 needed for support and to raise insert for a perfect seal.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	CASE PACK
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152315	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**AS-851/ AS-950/ AS-1550/ AS-1555/ AS-1555-10/ AS-2050, AS-2051, AS-2055- AS-2057, AS 2059/ UHPLC X-LC3159/AS**

For use with screw caps 8-425.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### STANDARD VIALS

150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

150642	2.0ml	12x32mm	8-425	100 pcs
150643*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

Screw caps 8-425 with open top.

CAT.NO.	CAP SIZE	COLOR	CASE PACK
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150601	8mm	Black	100 pcs
150601R	8mm	Red	100 pcs
150601B	8mm	Blue	100 pcs
150601G	8mm	Green	100 pcs
150601Y	8mm	Yellow	100 pcs

## PTFE SEPTA

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
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150605	8mm	0.25mm	1000 pcs
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## SEPTA

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
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150603	8mm	Butyl/PTFE	100 pcs
150604	8mm	Silicone/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into all of our vials. Inserts 150613 require compression spring 150614 for support.

CAT.NO.	VOLUME	SIZE	CASE PACK
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150613*	50µl	4x27mm	100 pcs
150610	100µl	5x30mm	100 pcs

\* compression springs #150614 needed for support

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	INSERTS	CASE PACK
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150614	4x27mm	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**AS-851/ AS-950/ AS-1550/ AS-1555/ AS-1555-10/ AS-2050, AS-2051, AS-2055- AS-2057, AS 2059/ UHPLC X-LC3159/AS**

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### WIDE OPENING VIALS

151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials

- ETFE-faced natural rubber for routine analysis
- PTFE-faced silicone rubber provides excellent resealing
- PTFE/silicone/PTFE reduces coring problems
- Butyl/PTFE-faced liner for long term storage

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

### SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	CASE PACK
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150820	300µl	6x30mm	100 pcs
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## MICRO VIALS

BOROSILICATE GLASS

**AS-1550/ AS-1555/ AS-1555-10/ AS-2050, AS-2051, AS-2055- AS-2057/ AS 2059**

These limited volume vials have a conical bottom for total downward drainage for maximum retrieval of contents. Also available with round bottom for more volume.

CAT.NO.	VOLUME	VIAL SIZE	TYPE	CASE PACK
151111	200µl	6x32mm	Conical	100 pcs
151112	300µl	6x32mm	Round	100 pcs
151140*	600µl	7x32mm	Conical	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

For use with micro vials 151111, 151112 and 151140.

CAT.NO.	SIZE	DESCRIPTION	COLOR	CASE PACK
151213	8mm	Rubber/ETFE	Silver	100 pcs
151256	8mm	Silicone/PTFE	Silver	100 pcs
151257	8mm	PTFE/Silicone/PTFE	Silver	100 pcs
151259	8mm	Butyl/PTFE	Silver	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs
153435	8mm	Silicone/PTFE single slit	100 pcs

## SNAP CAPS LINERLESS

153430	8mm	Molded	100 pcs
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## VIALSTATION®

ACRYLIC

This heavy acrylic vial rack stands firm on the bench. There is sufficient space between the vials which allows crimping. Holds 50 vials.

CAT.NO.	VIALS	CASE PACK
153500	151111/151112	1 each



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**INTEGRAL 4000, AUTOSYSTEM/XL, CLARUS 500/600, ISS-100/200/225  
LC 600, SERIES 200**

For use with crimp seals 11mm or snap caps 11mm.

These vials feature a large opening which reduces needle damage and easier needle positioning. Also allowing the use of larger limited volume inserts with a capacity of up to 300µl cat.no. 150820.

### WIDE OPENING VIALS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
151123	2.0ml	12x32mm	N930-1385	100 pcs
151124*	2.0ml	12x32mm	N930-2680	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

All crimp seals are lacquered aluminum (allowing autoclaving) and are complete with septa. The hole has been increased for better needle access.

CAT.NO.	SIZE	COLOR	DESCRIPTION	OEM	CASE PACK
151266	11mm	silver	Silicone/PTFE	N930-6015	100 pcs
151266B	11mm	blue	Silicone/PTFE	N930.2686	100 pcs
151266R	11mm	red	Silicone/PTFE	N930-2685	100 pcs
151266G	11mm	green	Silicone/PTFE	N930-2684	100 pcs
151216	11mm	silver	Rubber/ETFE	0009-2205	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs
153330	11mm	Linerless	100 pcs

## SNAP-ON® CAPS WITH STAR SLIT SEPTA

POLYETHYLENE

CAT.NO.	SIZE	COLOR	DESCRIPTION	CASE PACK
153340	11mm	natural	Silicone/PTFE	100 pcs
153341	11mm	red	Silicone/PTFE	100 pcs
153342	11mm	blue	Silicone/PTFE	100 pcs
153343	11mm	yellow	Silicone/PTFE	100 pcs
153344	11mm	green	Silicone/PTFE	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts below will fit precisely in above vials.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150820	300µl	6x30mm	N930-2681	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### AS 2000B, AS100, 100B, 300, 8300

For use with crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151100	0.8ml	8x30mm	N930-1069	200 pcs
151106*	0.8ml	8x30mm		200 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

All crimp seals are lacquered aluminum (allowing autoclaving) and are complete with septa.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151213	8mm	Rubber/ETFE	03300806	100 pcs
151256	8mm	Silicone/PTFE		100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs
153430	8mm	Linerless	100 pcs

## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### AI 1, 42 VIAL TRAY, ISS100/200, INTEGRAL 4000

For use with crimp seals 11mm.

These tapered bottom vials can be used as a microvial for a wide range of analyses.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
153800	1.1ml	12x32mm	N930-2137	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151266	11mm	Silicone/PTFE		100 pcs
151269	11mm	Butyl/PTFE		100 pcs
151216	11mm	Rubber/ETFE	0009-2205	100 pcs



## PLASTIC MICRO VIALS

POLYPROPYLENE

These vials are made of non-ionic polypropylene and are chemically inert. They minimize pH changes and ion contamination. They have an internal tapered cone for maximum retrieval of content.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
158004	750µl	12x32mm	N930-2130	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

For colored crimp seals see page 16.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151266	11mm	Silicone/PTFE		100 pcs
151269	11mm	Butyl/PTFE		100 pcs
151216	11mm	Rubber/ETFE	0009-2205	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

## SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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## VIALSTATION®

ACRYLIC

This heavy acrylic vial rack stands firm on the lab bench and securely locks vials in place for filling prior to placing them in the autosampler. Holds up to 50 vials.

CAT.NO.	VIAL SIZE	CASE PACK
153506	12x32mm	1 each
153508	8x30mm	1 each



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### INTEGRAL 4000, AUTOSYSTEM, 4900

For use with screw caps 8-425 & 13-425.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs
* amber glass				
150745	4.0ml	15x45mm	13-425	100 pcs
150746*	4.0ml	15x45mm	13-425	100 pcs
* amber glass				

## SCREW CAPS OPEN TOP

POLYPROPYLENE & PHENOLIC

CAT.NO.	SIZE	COLOR	CASE PACK
150601	8-425	Black	100 pcs
150701	13-425	Black	100 pcs

## SEPTA

For screw caps 150601 & 150701.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150603	8mm	Butyl/PTFE	100 pcs
150604	8mm	Silicone/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs
150703	12mm	Butyl/PTFE	100 pcs
150704	12mm	Silicone/PTFE	100 pcs
150706	12mm	Rubber/ETFE	100 pcs

## PTFE LINER

For screw caps 150601 & 150701.

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
150605	8mm	0.25mm	1000 pcs
150705	12mm	0.25mm	1000 pcs



## HEADSPACE VIALS

BOROSILICATE GLASS

**F42, F45, HS16, HS40, HS100, HS101, HS110, HS6**

All vials have a strengthened base with a specific radius design which will withstand internal pressures during analysis. Special crimp neck design (beveled top) prevents sample leakage at high temperatures.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151104	20ml	23x75mm	B010-4236	100 pcs
151105	6ml	22x38mm	B010-4235	100 pcs

**HS-6, ISS-200, INTEGRAL 4000**

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151105	6ml	22x38mm	B010-4235	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151286	20mm	Butyl/PTFE	100 pcs
151287	20mm	Silicone/PTFE	100 pcs
151222	20mm	Rubber-Butyl/PTFE	100 pcs

## PRESSURE RELIEF CRIMP SEALS & SEPTA

ALUMINUM

Crimp seals have bridges and scorelines which break at 3 bar.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151288	20mm	Butyl/PTFE	100 pcs
151289	20mm	Silicone/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Snap caps 20mm are available with different hole diameter. For low temperature work only.

CAT.NO.	SIZE	DESCRIPTION	HOLE	CASE PACK
158255	20mm	Silicone/PTFE	5.0mm	100 pcs
158256	20mm	Silicone/PTFE	8.0mm	100 pcs
158265	20mm	Butyl/PTFE	5.0mm	100 pcs
158266	20mm	Butyl/PTFE	8.0mm	100 pcs

## CRIMPER

CAT.NO.	SIZE	OEM	CASE PACK
150003	20mm	B003-8134	1 each

## DECRIMPER

CAT.NO.	SIZE	OEM	CASE PACK
150013	20mm	B003-8135	1 each



## AUTOSAMPLER VIALS

### BOROSILICATE GLASS

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
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#### FLAT BOTTOM VIALS

152600	0.8ml	7x40mm	100 pcs
152601*	0.8ml	7x40mm	100 pcs

\* amber glass

#### CONICAL VIALS

152610	0.7ml	7x40mm	100 pcs
152611*	0.7ml	7x40mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

### ALUMINUM

Silver colored crimp seals for vials with 8mm crimp neck.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs
151257	8mm	PTFE/Silicone/PTFE	100 pcs
151259	8mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

### POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs

#### SNAP CAPS LINERLESS

153430	8mm	Molded	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**AOC-8B, AOC-14, AOC-17, AOC-20i, AOC-20s, SIL-6A/6B, SIL-9A, SIL-10A, SIL-HTa, SIL-HTc, SIL30ACMP**

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150640	2.0ml	12x32mm	221-37274-91	100 pcs
150641*	2.0ml	12x32mm		100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

Screw caps 8-425 with open top.

CAT.NO.	SIZE	COLOR	CASE PACK
150601	8-425	Black	100 pcs

## SEPTA

For screw caps 150601.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150603	8mm	Butyl/PTFE	100 pcs
150604	8mm	Silicone/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps 8-425 have septa pre-assembled ready for use.

CAT.NO.	SIZE	TYPE	CASE PACK
150650	8-425	Silicone/PTFE	100 pcs
150651	8-425	Rubber/ETFE	100 pcs
150652	8-425	PTFE/Silicone/PTFE	100 pcs
150655	8-425	Silicone/PTFE single slit	100 pcs
150656	8-425	Silicone/PTFE cross slit	100 pcs
150657	8-425	Silicone/PTFE star slit	100 pcs

## PTFE SEPTA

For screw caps 150601.

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
150605	8mm	0.25mm	1000 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	CASE PACK
150613*	50µl	4x27mm	100 pcs
150610	100µl	5x30mm	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	CASE PACK
150614	37mm	5mm	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### AOC-14, SIL-6B, SIL-9A, SIL-30ACMP

Use crimp seals or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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#### STANDARD OPENING VIALS

151120	2.0ml	12x32mm	11mm	100 pcs
151121*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

#### WIDE OPENING VIALS

151123	2.0ml	12x32mm	11mm	100 pcs
151124*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

#### VIALS WITH WRITING SPOT

151125	2.0ml	12x32mm	11mm	100 pcs
151126*	2.0ml	12x32mm	11mm	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Available with a variety of different liner materials.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

#### SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	VIALS	CASE PACK
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150613*	50µl	4x27mm	151120-151121	100 pcs
150610	100µl	5x30mm	151120-151121	100 pcs
150820	300µl	6x30mm	151123-151126	100 pcs

\* compression springs #150614 needed for support

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	CASE PACK
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150614	37mm	5mm	100 pcs
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## PLASTIC MICRO VIALS

POLYPROPYLENE

For use with screw caps 9-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
158008	300µl	12x32mm	228-21276-91	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps 9-425 have pre-assembled septa ready for use.

CAT.NO.	COLOR	DESCRIPTION	CASE PACK
155630	Black	Rubber/ETFE	100 pcs
155620	Black	Silicone/PTFE	100 pcs

## VIAL KITS

Kit contains autosampler vials, screw caps & septa.

CAT.NO.	VOLUME	LINERS	OEM	CASE PACK
154935	2.0ml	PTFE/Silicone/PTFE	228-15652-92	100 pcs
154936	2.0ml	Aluminum/PTFE	228-15652-91	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### SIL-2AS, AOC-14, AOX-20S

For use with screw caps 13-425 open top.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150745	4.0ml	15x45mm	221-34269-91	100 pcs
150746*	4.0ml	15x45mm		100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

PHENOLIC

CAT.NO.	CAP SIZE	COLOR	CASE PACK
150701	13-425	Black	100 pcs
150702	13-425	White	100 pcs

## SEPTA

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150703	12mm	Butyl/PTFE	100 pcs
150704	12mm	Silicone/PTFE	100 pcs

## PTFE LINERS

CAT.NO.	DIAMETER	THICKNESS	CASE PACK
150749	12mm	0.25mm	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

Black screw caps 13-425 open top with pre-assembled silicone/PTFE septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
150744	13-425	Silicone/PTFE	100 pcs



## HEADSPACE VIALS

BOROSILICATE GLASS

### AOC-5000

Use magnetic crimp seals 157116, 157121, 157126, 157131, 157136 on page 6.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151107	10ml	22x45mm	221-29083-91	100 pcs
151103	20ml	22x75mm		100 pcs

### HSS-2B

Use crimp seals 151287.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151199	27ml	30x58mm	221-29083-91	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals with open top pre-assembled septa for immediate use.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151286	20mm	Butyl/PTFE	100 pcs
151287	20mm	Silicone/PTFE	100 pcs

## PRESSURE RELIEF CRIMP SEALS & SEPTA

ALUMINUM

Special cap with bridges and scorelines which break at 3 bar.  
For high temperature use.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151288	20mm	Butyl/PTFE	100 pcs
151289	20mm	Silicone/PTFE	100 pcs

## CRIMPER

Manual crimper for securing aluminum crimp caps.

CAT.NO.	SIZE	OEM	CASE PACK
150003	20mm	221-29575-00	1 each

## DECRIMPER

Makes cap removal quickly and easily.

CAT.NO.	SIZE	CASE PACK
150013	20mm	1 each

## DECAPPER PLIERS

Inexpensive pliers for removal of caps.

CAT.NO.	SIZE	CASE PACK
150023	20mm	1 each



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### INTEGRITY™, ALIAS™, OPTIMAS™, TRIATHLON™

For use with screw caps 8-425 & 13-425.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150640	2.0ml	12x32mm	8-425	100 pcs
150641*	2.0ml	12x32mm	8-425	100 pcs

\* amber glass

### TRIATHLON™

150745	4.0ml	15x45mm	13-425	100 pcs
150746*	4.0ml	15x45mm	13-425	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE & PHENOLIC

CAT.NO.	SIZE	COLOR	MATERIAL	CASE PACK
150601	8-425	Black	PP	100 pcs
150701	13-425	Black	PHENOLIC	100 pcs

## SEPTA

For use with screw caps 150601 & 150701.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
150604	8mm	Silicone/PTFE	100 pcs
150606	8mm	Rubber/ETFE	100 pcs
150704	12mm	Silicone/PTFE	100 pcs
150706	12mm	Rubber/ETFE	100 pcs

### INTEGRITY™, ALIAS™, MIDAS™, ENDURANCE™, MARATHON™

For use with crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151123	2.0ml	12x32mm	100 pcs
151124*	2.0ml	12x32mm	100 pcs

\* amber glass



### ALIAS™, OPTIMAS™, ENDURANCE™

For use with crimp seals 20mm.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151117	10ml	22x45mm	100 pcs

### MARATHON™

For use with crimp seals 20mm.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151195	6ml	20x38mm	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 20mm with center hole and pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151286	20mm	Butyl/PTFE	100 pcs
151287	20mm	Silicone/PTFE	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### ATOMX, AQUATek 100

#### PRECLEANED VIALS

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
157700	40ml	27x95mm	100 pcs
157701*	40ml	27x95mm	100 pcs

\* amber glass

#### STANDARD VIALS

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
157705	40ml	27x95mm	100 pcs
157706*	40ml	27x95mm	100 pcs

\* amber glass

## SCREW CAPS W. BONDED SILICONE/PTFE SEPTA

POLYPROPYLENE

Screw caps 24-414 open top come with pre-assembled bonded 3mm thick septa.

CAT.NO.	DESCRIPTION	CAP SIZE	COLOR	CASE PACK
157710	Silicone/PTFE	24-414	White	100 pcs
157711	Silicone/PTFE	24-414	Blue	100 pcs
157712	Silicone/PTFE	24-414	Red	100 pcs
157713	Silicone/PTFE	24-414	Green	100 pcs
157714	Silicone/PTFE	24-414	Yellow	100 pcs
157715	Silicone/PTFE	24-414	Black	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps 24-400 open top come with pre-assembled 2mm thick septa.

CAT.NO.	DESCRIPTION	CAP SIZE	COLOR	CASE PACK
157720	Silicone/PTFE	24-400	White	100 pcs
157721	Silicone/PTFE	24-400	Blue	100 pcs
157722	Silicone/PTFE	24-400	Red	100 pcs
157723	Silicone/PTFE	24-400	Green	100 pcs
157724	Silicone/PTFE	24-400	Yellow	100 pcs
157725	Silicone/PTFE	24-400	Black	100 pcs

## SCREW CAPS

POLYPROPYLENE

Screw caps 24-400 open top without septa.

CAT.NO.	DESCRIPTION	CAP SIZE	COLOR	CASE PACK
157730	Polypropylene	24-400	White	100 pcs
157731	Polypropylene	24-400	Blue	100 pcs
157732	Polypropylene	24-400	Red	100 pcs
157733	Polypropylene	24-400	Green	100 pcs
157734	Polypropylene	24-400	Yellow	100 pcs
157735	Polypropylene	24-400	Black	100 pcs

## SEPTA

CAT.NO.	DESCRIPTION	THCKNESS	CASE PACK
157740	Silicone/PTFE	2mm	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

TriPlus RSH, AI-AS 1310, Spectra-System AS3000, AS3500, 8875, 8880

For use with screw caps 8-425 open top.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150640	2.0ml	12x32mm	A4951-010	100 pcs
150641*	2.0ml	12x32mm	A4966-010	100 pcs

\* amber glass

## SCREW CAPS OPEN TOP

POLYPROPYLENE

Screw caps 8-425 with open top.

CAT.NO.	SIZE	COLOR	OEM	CASE PACK
150601	8-425	Black	A4953-010	100 pcs

## PTFE SEPTA

For screw caps 150601.

CAT.NO.	DIAMETER	THICKNESS	OEM	CASE PACK
150609	8mm	0.25mm	A4968-010	100 pcs

## SEPTA

For screw caps 150601.

CAT.NO.	DIAMETER	DESCRIPTION	OEM	CASE PACK
150604	8mm	Silicone/PTFE	A4952-010	100 pcs
150607*	8mm	Silicone/PTFE cross slit		100 pcs

\* Electrophoresis

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps have septa mounted ready for use.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
150650	8-425	Silicone/PTFE	A4969-010	100 pcs
150651	8-425	Rubber/ETFE		100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into above vials.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150613*	50µl	4x27mm	A4960-010	100 pcs
150610	100µl	5x30mm	A4961-010	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	OEM	CASE PACK
150614	37mm	5mm	A4981-010	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**AS 3000, 8875, 8880**

Use crimp seals 11mm or snap caps 11mm.

### STANDARD OPENING VIALS

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151120	2.0ml	12x32mm	A4956-010	100 pcs
151121*	2.0ml	12x32mm	A4964-010	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 11mm with septa mounted for immediate use.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
151216	11mm	Rubber/ETFE	A4955-010	100 pcs
151266	11mm	Silicone/PTFE		100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153310	11mm	PTFE	100 pcs
153315	11mm	PTFE/Silicone/PTFE	100 pcs
153320	11mm	Silicone/PTFE	100 pcs
153325	11mm	Rubber/ETFE	100 pcs

### SNAP CAPS LINERLESS

153330	11mm	Molded	100 pcs
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SNAP CAPS are not intended for use with the Vortex Mixing Chamber.

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

These conical inserts will fit precisely into all of our vials.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150613*	50µl	4x27mm	A4960-010	100 pcs
150610	100µl	5x30mm	A4961-010	100 pcs

\* compression springs #150614 needed for support.

## COMPRESSION SPRINGS

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	OEM	CASE PACK
150614	37mm	5mm	A4981-010	100 pcs





## SHELL VIALS

BOROSILICATE GLASS

Shell vials are economical for samples that do not require PTFE-lined septa. They use an inexpensive, one-piece polyethylene cap which has a piercing area with a thickness of 10 mil (0.25mm). With a cylindrical body and wide opening, the vials permit easy transfer of samples.

CAT.NO.	VOLUME	VIALS SIZE	OEM	CASE PACK
150351	2.0ml	12x32mm	A4946-010	100 pcs
150356*	2.0ml	12x32mm		100 pcs

\* amber glass

## PLASTIC CAPS

POLYETHYLENE

These natural colored polyethylene caps have 0.25mm star-center which eliminates vacuum in the vials during injection.

A special inside portion holds and centers 300µl Inserts.

CAT.NO.	OEM	CASE PACK
150320	A4947-010	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150820	300µl	6x30mm	A4949-010	100 pcs



## SHELL VIAL KIT

Vials and caps are packaged in our reclosable KITPACK®

CAT.NO.	VOLUME	OEM	CASE PACK
150301	2.0ml	A4948-010	100 pcs

## VIALSTATION®

ACRYLIC

This heavy vial rack stands firm on the bench and securely locks vials in place for filling prior to placing them in the autosampler. The vialstation will hold up to 50 vials.

CAT.NO.	SIZE	OEM	CASE PACK
153506	190x90mm	A4970-010	1 each



## PLASTIC MICRO VIAL KITS

POLYPROPYLENE

Vials come complete with 151216 crimp seals 11mm with rubber/ETFE septa.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
158805	100µl	12x32mm	A4959-010	100 pcs
158800	600µl	12x32mm	A4958-010	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### 4710, LC-XP, 4247

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151120	2.0ml	12x32mm	9345 146 95831	100 pcs
151121*	2.0ml	12x32mm	9345 146 95821	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 11mm with pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151216	11mm	Rubber/ETFE	100 pcs
151266	11mm	Silicone/PTFE	100 pcs
151267	11mm	PTFE/Silicone/PTFE	100 pcs



### UNICAM- LC-XP, 4247

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
151142*	0.7ml	7x30mm	Round bottom	100 pcs
151112	0.3ml	6x32mm	Round bottom	100 pcs
151111	0.2ml	6x32mm	Conical bottom	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 8mm with pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs



## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### UNICAM- 4700 LC

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
152610	0.7ml	7x40mm	8mm	100 pcs
152611*	0.7ml	7x40mm	8mm	100 pcs
151112	0.3ml	6x32mm	8mm	100 pcs
151111	0.2ml	6x32mm	8mm	100 pcs

\* amber glass

### UNICAM- CRYSTAL SYSTEM 230 & 310

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
151112	0.3ml	6x32mm	8mm	100 pcs
151111	0.2ml	6x32mm	8mm	100 pcs

### UNICAM- 610, 612

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
151140*	0.5ml	7x32mm	9435 146 95771	100 pcs
151100	0.7ml	8x30mm		200 pcs
151106*	0.7ml	8x30mm		200 pcs

\* amber glass



### UNICAM- 4700 GC & S4/ S8

Use crimp seals 8mm or snap caps 8mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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#### FLAT BOTTOM

152600	0.8ml	7x40mm		100 pcs
152601*	0.8ml	7x40mm	9435 146 95801	100 pcs

\* amber glass

#### CONICAL BOTTOM

152610	0.7ml	7x40mm		100 pcs
152611*	0.7ml	7x40mm	9435 146 95811	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 8mm with pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs
151257	8mm	PTFE/Silicone/PTFE	100 pcs
151259	8mm	Butyl/PTFE	100 pcs



## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa. For colored snap caps see page 17.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs

## SNAP CAPS LINERLESS

153430	8mm	Molded	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

### 4710, 4700 LC, LC-XP

for use with vials 151120, 150640, 150301

CAT.NO.	VOLUME	SIZE	VIALS	CASE PACK
150610	100µl	5x30mm	151120/150640	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

Use screw caps 8-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150640	2.0ml	12x32mm	9534 146 95951	100 pcs
150641*	2.0ml	12x32mm	9435 146 95841	100 pcs

\* amber glass

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps have septa mounted ready for use. For colored screw see page 13.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
150650	8-425	Silicone/PTFE	100 pcs
150651	8-425	Rubber/ETFE	100 pcs



## XL® AUTOSAMPLER VIALS

BOROSILICATE GLASS

**ProStar410, ProStar420, ProStar430, CP-8400, CP-8410, 8035, 8100, 8200, 8200CX, 9090, 9095, 9100**

For use with screw caps 9-425.

These vials feature a large opening which reduces needle damage and easier needle positioning. Also allowing the use of larger limited volume inserts with a capacity of up to 300µl (Cat.No. 155650).

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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### WIDE OPENING VIALS

155600	2.0ml	12x32mm	392611654	100 pcs
155601*	2.0ml	12x32mm	392611653	100 pcs

\*amber glass

### WITH WRITING SPOT

155602	2.0ml	12x32mm		100 pcs
155603*	2.0ml	12x32mm		100 pcs

\*amber glass

## XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Screw caps 9-425 with pre-assembled septa.

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
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155622	Red	Silicone/PTFE	392611659	100 pcs
155627	Red	PTFE/Silicone/PTFE	392611658	100 pcs
155637	Red	Silicone/PTFE pre-slit	392611660	100 pcs
155632	Red	Rubber/ETFE	392611657	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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155650	300µl	6x30mm	392611596	100 pcs
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## PLASTIC MICRO VIALS

POLYPROPYLENE

These vials are precision injection-molded and fit a variety of autosamplers. Polypropylene provides safety from breakage and dimension tolerance reliability for capping and instrumentation use.

These vials are non-ionic, minimizing pH changes and ion contamination.

For use with screw caps 9-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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158008	0.1ml	12x32mm	392611665	100 pcs
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**8000, 8035, 8055, 8100, 8200, 9090, 9095, 9100, MARATHON**

For use with screw caps 8-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150640	2.0ml	12x32mm	392611640	100 pcs
150641*	2.0ml	12x32mm	392611639	100 pcs

\* amber glass

### VIALS WITH WRITING SPOT

150642	2.0ml	12x32mm		100 pcs
150643*	2.0ml	12x32mm		100 pcs

\* amber glass

153810	1.1ml	12x32mm	00-997431-06	100 pcs
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## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

POLYPROPYLENE

Black screw caps 8-425 with pre-assembled septa. For colored caps see page 13.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
150650	8-425	Silicone/PTFE	392611641	100 pcs
150651	8-425	Rubber/ETFE	392611645	100 pcs
150652	8-425	PTFE/Silicone/PTFE	39261164	100 pcs

## SCREW CAPS OPEN TOP

POLYPROPYLENE

Screw caps 8-425 with open top.

CAT.NO.	SIZE	COLOR	CASE PACK
150601	8-425	Black	100 pcs
150601R	8-425	Red	100 pcs
150601B	8-425	Blue	100 pcs
150601G	8-425	Green	100 pcs
150601Y	8-425	Yellow	100 pcs

## SEPTA

For screw caps 150601.

CAT.NO.	DIAMETER	DESCRIPTION	OEM	CASE PACK
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### LC 9090/9095

150622	8mm	Silicone/PTFE red	69-000169-00	100 pcs
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### GC 8000 Series & 8100

150604	8mm	Silicone/PTFE blue	390614901	100 pcs
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## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
150610	100µl	5x30mm	392611593	100 pcs



## AUTOSAMPLER VIALS

BOROSILICATE GLASS

**ProStar410, ProStar420, ProStar430, CP-8400, CP-8410, 8035, 8100, 8200, 8200CX, 9090, 9095, 9100**

For use with crimp seals 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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### STANDARD VIALS

151120	2.0ml	12x32mm	03-908865-00	100 pcs
151121*	2.0ml	12x32mm	03-908865-01	100 pcs

\* amber glass

## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### MARATHON

Use crimp seals 11mm or snap caps 11mm.

These tapered bottom vial can be used as a microvial for a wide range of analyses.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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153800	1.1ml	12x32mm	00-997431-08	100 pcs
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## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 11mm with open top have pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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151216	11mm	Rubber/ETFE	00-997797-01	100 pcs
151266	11mm	Silicone/PTFE	00-997797-03	100 pcs
151267	11mm	PTFE/Silicone/PTFE	00-997797-02	100 pcs
151269	11mm	Butyl/PTFE	00-997797-02	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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150610	100µl	5x30mm	392611593	100 pcs
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## VIALSTATION®

ACRYLIC

For vials with a diameter of 12mm.

This heavy acrylic vial rack stands firm on the lab bench and securely locks vials in place for filling prior to placing them in the autosampler. Holds up to 50 vials.

CAT.NO.	SIZE	OEM	CASE PACK
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153506	190x90mm	392611516	1 each
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## AUTOSAMPLER VIALS

BOROSILICATE GLASS

### ProStar400, ProStar410, ProStar420, ProStar430

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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### WIDE OPENING VIALS

151123	2.0ml	12x32mm	392611635	100 pcs
151124*	2.0ml	12x32mm	392611634	100 pcs

\* amber glass

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 11mm with open top have pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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151216	11mm	Rubber/ETFE	392611627	100 pcs
151266	11mm	Silicone/PTFE	392611631	100 pcs
151269	11mm	Butyl/PTFE	392611632	100 pcs

## SNAP-ON® CAPS

POLYETHYLENE

Natural colored snap caps 11mm with pre-assembled septa. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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153325	11mm	Rubber/ETFE	392611871	100 pcs
153320	11mm	Silicone/PTFE	392611873	100 pcs
153335	11mm	Silicone/PTFE slit	392611874	100 pcs
153315	11mm	PTFE/Silicone/PTFE	392611872	100 pcs

## MICROSERV® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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155650	300µl	6x30mm	392611596	100 pcs
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### HANGING INSERTS

156105	250µl	6x30mm		100 pcs
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## PLASTIC MICRO VIALS

POLYPROPYLENE

Use with crimp seals 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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158003	0.10ml	12x32mm	392611666	100 pcs
158004	0.75ml	12x32mm	392611667	100 pcs





**ALLIANCE®**  
2690/ 2695/ 2790/ 2795, ACQUITY UPLC

**XL® AUTOSAMPLER VIALS**  
BOROSILICATE GLASS

For use with XL® screw caps 9-425.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
<b>WIDE OPENING</b>				
155600	2.0ml	12x32mm	186000273	100 pcs
155601*	2.0ml	12x32mm		100 pcs
<b>VIALS WITH WRITING SPOT</b>				
155602	2.0ml	12x32mm	186000845	100 pcs
155603*	2.0ml	12x32mm	186000848	100 pcs

\* amber glass

**XL® SCREW CAPS WITH PRE-ASSEMBLED SEPTA**  
POLYPROPYLENE

CAT.NO.	COLOR	DESCRIPTION	OEM	CASE PACK
155621	blue	Silicone/PTFE	186000274	100 pcs
155636	blue	Silicone/PTFE slit	186000851	100 pcs



**COMBINATION PACKAGE**

These vials have a 40% wider opening to reduce the chance of bent needles. Kit contains autosampler vials 12x32mm and blue screw caps 9-425 with mounted septa as listed below.

CAT.NO.	VOLUME	SEPTA	OEM	CASE PACK
<b>CLEAR GLASS</b>				
158601	2.0ml	Silicone/PTFE	186000272	100 pcs
158616	2.0ml	Silicone/PTFE slit	186000307	100 pcs
<b>CLEAR GLASS, WRITING SPOT</b>				
158901	2.0ml	Silicone/PTFE	186000843	100 pcs
158916	2.0ml	Silicone/PTFE slit	186000844	100 pcs
<b>AMBER GLASS, WRITING SPOT</b>				
158946	2.0ml	Silicone/PTFE	186000846	100 pcs
158961	2.0ml	Silicone/PTFE slit	186000847	100 pcs

**MICROSERT® LIMITED VOLUME INSERTS**  
BOROSILICATE GLASS

These conical inserts will fit precisely into our vials.

CAT.NO.	VOLUME	SIZE	CASE PACK
150820	300µl	6x30mm	100 pcs



**ALLIANCE®**  
2690/ 2695/ 2790/ 2795, ACQUITY UPLC

**AUTOSAMPLER VIALS**  
BOROSILICATE GLASS

Use crimp seals 11mm or snap caps 11mm.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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**WIDE OPENING VIALS**

151123	2.0ml	12x32mm	094222	100 pcs
151124*	2.0ml	12x32mm	094223	100 pcs

\* amber glass

**VIALS WITH WRITING SPOT**

151125	2.0ml	12x32mm		100 pcs
151126*	2.0ml	12x32mm	094220	100 pcs

\* amber glass

**SNAP-ON® CAPS**  
POLYETHYLENE

Natural colored snap caps 11mm with pre-assembled septa. For colored snap caps see page 18.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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153310	11mm	PTFE	186000328	100 pcs
153320	11mm	Silicone/PTFE	186000303	100 pcs
153335	11mm	Silicone/PTFE slit Septa	186000304	100 pcs

**SNAP CAPS LINERLESS**

153330	11mm	Molded		100 pcs
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**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**  
ALUMINUM

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
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151266	11mm	Silicone/PTFE	100 pcs
151269	11mm	Butyl/PTFE	100 pcs
151216	11mm	Rubber/ETFE	100 pcs

**MICROSERT® LIMITED VOLUME INSERTS**  
BOROSILICATE GLASS

These conical inserts will fit precisely into our vials.

CAT.NO.	VOLUME	SIZE	CASE PACK
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150820	300µl	6x30mm	100 pcs
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**ALLIANCE®**  
2690/ 2695/ 2790/ 2795, ACQUITY UPLC

**PLASTIC MICRO VIALS**  
POLYPROPYLENE

These vials are precision injection-molded and fit a variety of autosamplers. Polypropylene provides safety from breakage and dimension tolerance reliability for capping and instrumentation use.

This vials are non-ionic, minimizing pH changes and ion contamination.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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**CRIMP VIALS**

158003	0.3ml	12x32mm	186000854	100 pcs
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**SCREW VIALS**

158008	0.3ml	12x32mm	186000851	100 pcs
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**COMBINATION PACKAGE**  
POLYPROPYLENE

Vials and closures are packed in our reclosable transparent Kitpack®. Kit contains plastic autosampler vials 12x32mm and snap caps 11mm with pre-assembled septa as listed below.

CAT.NO.	VOLUME	SEPTA	OEM	CASE PACK
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**CRIMP VIALS & SNAP CAPS**

158821	0.3ml	Silicone/PTFE	186000849	100 pcs
158822	0.3ml	Silicone/PTFE slit	186000850	100 pcs

**SCREW VIALS & XL SCREW CAPS**

158806	0.3ml	Silicone/PTFE	186000852	100 pcs
158807	0.3ml	Silicone/PTFE slit	186000853	100 pcs



**ALLIANCE® GPC2000**  
717 PLUS AUTOSAMPLER

Crimp vials for Aqua Analysis System

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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151107	10ml	22x46mm	WAT223176	100 pcs
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**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**  
ALUMINUM

Crimp seals 20mm with center hole.

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
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151287	20mm	Silicone/PTFE	600000138	100 pcs
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**WATERS WISP™ 710, 712, 715, 717**

For use with 48 vial carousel.

**AUTOSAMPLER VIALS**

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150745	4.0ml	15x45mm	72710	100 pcs
150746*	4.0ml	15x45mm		100 pcs

\* amber glass

**SCREW CAPS WITH OPEN TOP**

PHENOLIC

CAT.NO.	SIZE	COLOR	OEM	CASE PACK
150701	13-425	Black	72711	100 pcs

**PTFE LINERS**

For screw cap 150701

CAT.NO.	DIAMETER	THICKNESS	OEM	CASE PACK
150749	12mm	0.25mm	72714	100 pcs
150705	12mm	0.25mm	73005	1000 pcs

**SEPTA**

CAT.NO.	DIAMETER	DESCRIPTION	OEM	CASE PACK
150703	12mm	Butyl/PTFE		100 pcs
150704	12mm	Silicone/PTFE	22681	100 pcs
150706	12mm	Rubber/ETFE		100 pcs
150708	12mm	Silicone/PTFE	73008	100 pcs
150709	12mm	Silicone/PTFE slit septa		100 pcs

**SCREW CAPS WITH PRE-ASSEMBLED SEPTA**

CAT.NO.	SIZE	DESCRIPTION	OEM	CASE PACK
150744	13-425	Silicone/PTFE	73010	100 pcs

**MICROSERT® LIMITED VOLUME INSERTS**

BOROSILICATE GLASS

CAT.NO.	VOLUME	OEM	CASE PACK
150710	300µl	15199	100 pcs

**COMPRESSION SPRINGS**

STAINLESS STEEL

For inserts 150710 & 150714

CAT.NO.	OEM	CASE PACK
150715	72708	100 pcs



**WATERS WISP™ 710, 712, 715, 717**

For use with 48 vial carousel.

**AUTOSAMPLER VIALS**

BOROSILICATE GLASS

Use snap caps 13mm.

Versatile neck allows use of snap caps with or without seals which may be snapped on and off by hand eliminating the need of crimping and decapping tools.

CAT.NO.	VOLUME	SIZE	CAP SIZE	CASE PACK
158100	4.0ml	15x45mm	13mm	100 pcs
158101*	4.0ml	15x45mm	13mm	100 pcs

\* amber glass

**SNAP-ON® CAPS**

POLYETHYLENE

Natural colored snap caps 13mm with pre-assembled septa.

For vials 158100 & 158101.

CAT.NO.	DESCRIPTION	CAP SIZE	CASE PACK
158120	Silicone/PTFE	13mm	100 pcs
158135	Silicone/PTFE single slit	13mm	100 pcs
158140	Silicone/PTFE cross slit	13mm	100 pcs
158145	Silicone/PTFE star slit	13mm	100 pcs

Colored snap caps available on page 19.



**SHELL VIALS**

BOROSILICATE GLASS

**WATERS WISP™ 710, 712, 715, 717**

For use in the 48 vial carousel.

These shell vials are the economical solution to autosampler vials using screw or crimp caps. They come complete with a polyethylene cap which serves as both cap and septum.

Complete with plastic caps.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
150302	4.0ml	15x45mm	25051	100 pcs
150307*	4.0ml	15x45mm	25050	100 pcs

\* amber glass

**PLASTIC**

150772	4.0ml	15x45mm		100 pcs
150773*	3.0ml	15x45mm	22475	100 pcs

\* with conical bottom



**WATERS WISP™ 710, 712, 715, 717**

For use in the 96-position carousel.

**AUTOSAMPLER VIALS**

BOROSILICATE GLASS

These vials and plastic caps were designed for best sealability. They are manufactured to close tolerances assuring absolute tightness.

Vials and caps are packed in our reclosable transparent Kitpack®

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
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**CLEAR GLASS**

150721	1.0ml	8x40mm	25054	250 pcs
150722	1.0ml	8x40mm		1000 pcs

**AMBER GLASS**

150751	1.0ml	8x40mm	25053	250 pcs
150752	1.0ml	8x40mm		1000 pcs

**PLASTIC LIMITED VOLUME VIALS**

POLYPROPYLENE

Conical internal shape provide total downward drainage for maximum retrieval of contents. Vials are complete with plastic caps.

Ion Chromatography and Bio-Applications.

Manufactured from non-reactive polypropylene for applications where the highest grade glassware can cause ion contamination in sensitive samples and for drug/protein samples that adhere to glass. These plastic vials are non-ionic, minimizing pH changes and ion contamination.

CAT.NO.	VOLUME	VIAL SIZE	OEM	CASE PACK
---------	--------	-----------	-----	-----------

150756	0.7ml	8x40mm	22476	250 pcs
150759	0.7ml	8x40mm		1000 pcs

**PLASTIC CAPS**

POLYETHYLENE

For vials 150721, 150722, 150751, 150752, 150756 & 150759.

CAT.NO.	OEM	CASE PACK
---------	-----	-----------

150734	78515	250 pcs
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**MICROSERT® LIMITED VOLUME INSERT**

BOROSILICATE GLASS

For vials 150721, 150722, 150751 & 150752.

These limited volume inserts were designed for use in our vials Cat.No. 150721 and 150751. Conical bottom provide total downward drainage of contents.

CAT.NO.	VOLUME	SIZE	OEM	CASE PACK
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150730*	100µl	5x30mm	72294	100 pcs
150741*	250µl	6x30mm		100 pcs

\* requires compression spring #150729 for support.

**COMPRESSION SPRING**

STAINLESS STEEL

CAT.NO.	LENGTH	DIAMETER	OEM	CASE PACK
---------	--------	----------	-----	-----------

150729	15mm	5mm	72289	100 pcs
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**WATERS WISP™ 710, 712, 715, 717**

For use in the 96 vial carousel.

**AUTOSAMPLER VIALS**

BOROSILICATE GLASS

Use crimp seals 8mm or snap caps 8mm.

Suitable for compounds that build-up pressure in the vial. The crimp seals and septa used are suitable for multiple injections.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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**CLEAR GLASS**

150725*	1.0ml	8x40mm	8mm	250 pcs
150726	1.0ml	8x40mm	8mm	100 pcs

\* includes crimp seals 151256 with pre-assembled silicone/PTFE septa.

**CRIMP SEALS WITH PRE-ASSEMBLED SEPTA**

ALUMINUM

For vials 150725 and 150726.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
---------	------	-------------	-----------

151213	8mm	Rubber/ETFE	100 pcs
151256	8mm	Silicone/PTFE	100 pcs

**SNAP-ON® CAPS**

POLYETHYLENE

Natural colored snap caps 8mm with pre-assembled septa.

CAT.NO.	SIZE	DESCRIPTION	CASE PACK
---------	------	-------------	-----------

153410	8mm	PTFE	100 pcs
153415	8mm	PTFE/Silicone/PTFE	100 pcs
153420	8mm	Silicone/PTFE	100 pcs
153425	8mm	Rubber/ETFE	100 pcs

For colored snap caps see page 17.

**VIALSTATION®**

ACRYLIC

For vials 150721, 150725, 150726 and 150751.

CAT.NO.	SIZE	CASE PACK
---------	------	-----------

153505	190x90mm	1 each
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Holds up to 50 vials.



**CULTURE TUBES**

BOROSILICATE GLASS

Culture tubes have round bottom and screw neck finish.  
Use screw caps 15-415.

CAT.NO.	SIZE	VOLUME	REF.NO.	CASE PACK
154800	16x100mm	12ml	ZA7506	100 pcs

**SCREW CAPS WITH PRE-ASSEMBLED LINERS**

PHENOLIC

Screw caps 15-425 are solid top with pre-assembled liners.

CAT.NO.	SIZE	LINERS	CASE PACK
154810	15-415	SBR*	100 pcs
154811	15-415	Butyl/PTFE	100 pcs
154812	15-415	Cork/Aluminum	100 pcs

\* styrene butadiene rubber

**SCREW CAPS OPEN TOP**

PHENOLIC

CAT.NO.	SIZE	CASE PACK
154815	15-415	100 pcs

**SEPTA**

CAT.NO.	LINERS	CASE PACK
154816	Silicone/PTFE	100 pcs
154817	Rubber/ETFE	100 pcs



**SCREW CAPS WITH PRE-ASSEMBLED LINERS**

PHENOLIC

Screw caps with hole and pre-assembled liners.

CAT.NO.	SIZE	LINERS	CASE PACK
154820	15-415	Silicone/PTFE	100 pcs
154821	15-415	Rubber/ETFE	100 pcs

**TEST TUBES**

BOROSILICATE GLASS

**ROUND BOTTOM RIMLESS**

CAT.NO.	SIZE	VOLUME	REF.NO.	CASE PACK
150405	12x 75mm	4ml	ZA7517	100 pcs
150406	13x100mm	7ml	ZA7502	100 pcs
150407	16x100mm	12ml	ZA7503	100 pcs
150408	16x125mm	16ml	ZA7521	100 pcs



# SCINTILLATION VIALS



## SCINTILLATION VIALS

BOROSILICATE GLASS

YOU CAN COUNT ON THEM VIAL AFTER VIAL

Made from low-potassium glass and critical manufacturing tolerances assure reliable, consistent results in scintillation counting. Vials load properly into counting machines without jamming or breaking. Background counts are consistent and low, ultra violet transmission high.

These vials are used primarily for the radioisotope counting usually employed with very low levels of beta radioactivity.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
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### VIALS ONLY

151600	20ml	27x58mm	22mm	100 pcs
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### VIALKIT

151603	20ml	27x58mm	22mm	500 pcs
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Contains: Scintillation vials 151600 & screw caps 151610.

## SCREW CAPS

PHENOLIC

Screw caps are made from phenolic and have either a metal foil or foam seal.

White caps have tops suitable for writing.

CAT.NO.	SEPTA	CAP SIZE	CASE PACK
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151610	Cork/aluminum	22mm	100 pcs
151614	Polyethylene foam	22mm	100 pcs

# SHELL VIALS



## SHELL VIALS & CAPS

### BOROSILICATE GLASS

These vials and caps are an economical alternative to standard crimp and screw thread vials suitable for one-time use in most autosamplers that don't pressurize the vials.

The polyethylene caps have a 0.25mm star-center which eliminates vacuum build-up in the vials after injection. A special inside guide holds and centers limited volume inserts with up to 300µl capacity- Cat.No. 150820.

Complete with one-piece polyethylene caps which serves as both cap and septum.

Vials and caps are supplied in our KITPACK®

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
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#### CLEAR GLASS

150301	2.0ml	12x32mm	100 pcs
150302	4.0ml	15x45mm	100 pcs

#### AMBER GLASS

150306	2.0ml	12x32mm	100 pcs
150307	4.0ml	15x45mm	100 pcs

## SHELL VIALS ONLY

### BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
---------	--------	-----------	-----------

#### CLEAR GLASS

150351	2.0ml	12x32mm	100 pcs
150352	4.0ml	15x45mm	100 pcs

#### AMBER GLASS

150356	2.0ml	12x32mm	100 pcs
150357	4.0ml	15x45mm	100 pcs

## PLASTIC CAPS

### POLYETHYLENE

Special design holds and centers limited volume inserts.

CAT.NO.	COLOR	FOR VIALS	CASE PACK
---------	-------	-----------	-----------

150320	natural	150351/150356	100 pcs
150330	natural	150352/150357	100 pcs

## MICROSERT® LIMITED VOLUME INSERTS

### BOROSILICATE GLASS

CAT.NO.	VOLUME	SIZE	TYPE	CASE PACK
---------	--------	------	------	-----------

150820	300µl	6x30mm	Conical	100 pcs
150821	400µl	6x30mm	Cylindrical	100 pcs

# SAMPLE VIALS



## SAMPLE VIALS

### BOROSILICATE GLASS

Made from borosilicate glass which protects against product contamination caused by alkali which can be extracted from ordinary glass.

Can be cleaned by standard chemicals or by heating techniques conventionally used in an analytical laboratory without affecting type I quality.

### CLEAR GLASS

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
150900	1.5ml	12 x 32mm	8-425	100 pcs
150901	2.0ml	12 x 36mm	8-425	100 pcs
150902	4.0ml	15 x 45mm	13-425	100 pcs
150903	8.0ml	17 x 61mm	15-425	100 pcs
150904	12.0ml	19 x 66mm	15-425	100 pcs
150905	16.0ml	21 x 71mm	18-400	100 pcs
150906	24.0ml	23 x 86mm	20-400	100 pcs
150907	30.0ml	27 x 75mm	24-400	100 pcs
150908	40.0ml	27 x 95mm	24-400	100 pcs
150909	60.0ml	27 x 140mm	24-400	100 pcs

## SCREW CAPS

### PHENOLIC

Black screw caps, **solid top without liners.**

CAT.NO.	CAP SIZE	CASE PACK
150910	8-425	100 pcs
150911	13-425	100 pcs
150912	15-425	100 pcs
150913	18-400	100 pcs
150914	20-400	100 pcs
150915	24-400	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

### PHENOLIC

Black screw caps, solid top with **SBR Liners** (styrene butadiene rubber).

CAT.NO.	CAP SIZE	CASE PACK
150920	8-425	100 pcs
150921	13-425	100 pcs
150922	15-425	100 pcs
150923	18-400	100 pcs
150924	20-400	100 pcs
150925	24-400	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

### PHENOLIC

Black screw caps, solid top with **Butyl/PTFE liners.**  
Assures ultimate product safety and long term storage.

CAT.NO.	CAP SIZE	CASE PACK
150930	8-425	100 pcs
150931	13-425	100 pcs
150932	15-425	100 pcs
150933	18-400	100 pcs
150934	20-400	100 pcs
150935	24-400	100 pcs

# SAMPLE VIALS



## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

PHENOLIC

Black screw caps, solid tops with **cork/PTFE liners**.

CAT.NO.	CAP SIZE	CASE PACK
150940	8-425	100 pcs
150941	13-425	100 pcs
150942	15-425	100 pcs
150943	18-400	100 pcs
150944	20-400	100 pcs
150945	24-400	100 pcs

## SCREW CAPS WITH PRE-ASSEMBLED SEPTA

PHENOLIC

Black screw caps, solid tops with **cork/aluminum liners**.

CAT.NO.	CAP SIZE	CASE PACK
150960	8-425	100 pcs
150961	13-425	100 pcs
150962	15-425	100 pcs
150963	18-400	100 pcs
150964	20-400	100 pcs
150965	24-400	100 pcs

## SCREW CAPS OPEN TOP

PHENOLIC

Black screw caps with hole.

CAT.NO.	CAP SIZE	CASE PACK
152950	8-425	100 pcs
152951	13-425	100 pcs
152952	15-425	100 pcs
152953	18-400	100 pcs
152954	20-400	100 pcs
152955	24-400	100 pcs

## SELF-SEALING SEPTA

**Silicone/PTFE faced liners** for screw caps open top.

CAT.NO.	DIAMETER	CAP SIZE	CASE PACK
152960	8mm	8-425	100 pcs
152961	11mm	13-425	100 pcs
152962	13mm	15-425	100 pcs
152963	16mm	18-400	100 pcs
152964	18mm	20-400	100 pcs
152965	22mm	24-400	100 pcs

# SERUM BOTTLES



## SERUM BOTTLES

BOROSILICATE GLASS

- Withstand repeated sterilization
- Large-mouth opening for easy access
- Sealed storage with instant access via syringe
- Ideal for reactions
- Silylation

Use aluminum crimp seals 20mm.

CAT.NO.	VOLUME	BOTTLE SIZE	CASE PACK
<b>CLEAR GLASS</b>			
152000	10ml	25x54mm	100 pcs
152001	20ml	32x58mm	100 pcs
152002	30ml	36x63mm	100 pcs
152003	50ml	43x73mm	100 pcs
152004	100ml	52x95mm	100 pcs

## AMBER GLASS

152010	10ml	25x54mm	100 pcs
152011	20ml	32x58mm	100 pcs
152012	30ml	36x63mm	100 pcs
152013	50ml	43x73mm	100 pcs
152014	100ml	52x95mm	100 pcs

## CRIMP SEALS

ALUMINUM

CAT.NO.	TYPE	SIZE	CASE PACK
151230	Standard	20mm	100 pcs
151231	Tear-away	20mm	100 pcs
151232	Open Top	20mm	100 pcs

STANDARD- Remove center portion  
 TEAR-AWAY- Seal & septum are easily removed  
 ONE-PIECE- Open center portion



## STOPPERS

CAT.NO.	TYPE	SIZE	CASE PACK
151240	Butyl	20mm	100 pcs
151243	Silicone	20mm	100 pcs

## FREEZE DRY STOPPERS

151248	Butyl- gray	20mm	100 pcs
151249	Butyl- red	20mm	100 pcs

## CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 20mm with center hole and mounted septa.

CAT.NO.	DIAMETER	DESCRIPTION	CASE PACK
151286	20mm	Butyl/PTFE	100 pcs
151287	20mm	Silicone/PTFE	100 pcs
151222	20mm	Rubber-Butyl/PTFE	100 pcs
151290	20mm	Rubber	100 pcs

# INJECTION VIALS



## INJECTION VIALS

BOROSILICATE GLASS

Manufactured from borosilicate glass type I. Protects against product contamination caused by alkali which can be extracted from ordinary glass.

Use aluminum crimp seals 20mm.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
153200	5.0ml	20x 38mm	100 pcs
153201	10.0ml	20x 55mm	100 pcs
153202	20.0ml	23x 75mm	100 pcs
153203	30.0ml	30x 75mm	100 pcs
153204	50.0ml	30x 100mm	100 pcs

## CRIMP SEALS

ALUMINUM

Standard, Tear-Away and One-Piece silver crimp seals. Colored caps available on request.

CAT.NO.	DESCRIPTION	SIZE	COLOR	CASE PACK
151230	Standard	20mm	Silver	100 pcs
151231	Tear-Away	20mm	Silver	100 pcs
151232	One-Piece	20mm	Silver	100 pcs

STANDARD- Remove center portion  
 TEAR-AWAY- Seal & septum are easily removed  
 ONE-PIECE- Open center portion

## STOPPERS

CAT.NO.	DESCRIPTION	SIZE	CASE PACK
151240	Butyl	20mm	100 pcs
151243	Silicone	20mm	100 pcs

## FREEZE DRY STOPPERS

CAT.NO.	DESCRIPTION	SIZE	CASE PACK
151248	Butyl- gray	20mm	100 pcs
151249	Butyl- red	20mm	100 pcs



## SNAP-ON® CAPS

POLYETHYLENE

- For use with all crimp top vials with 20mm crimp neck
- Easily snaps on eliminating the use of crimpers
- Holds approx. 30 psi internal pressure
- Snap caps have a consistent seal pressure for all samples reducing the chance of failures caused by improper crimping

Available with 2 different liners mounted inside the caps  
 - Silicone/PTFE  
 - Butyl/PFTE

CAT.NO.	DESCRIPTION	THICKNESS	CASE PACK
158250	Silicone/PTFE	1mm	100 pcs
158255	Silicone/PTFE	2mm	100 pcs
158260	Butyl/PTFE	1mm	100 pcs
158265	Butyl/PTFE	2mm	100 pcs

# LOW PROFILE VIALS



## LOW PROFILE VIALS

BOROSILICATE GLASS

Low profiles for greater stability.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
153000	2.0ml	15x28mm	13-425	100 pcs
153001	4.0ml	17x38mm	15-425	100 pcs
153002	8.0ml	19x40mm	15-425	100 pcs

## SCREW CAPS

PHENOLIC

Black screw caps with SBR (styrene butadiene rubber) liners.

CAT.NO.	SIZE	LINERS	CASE PACK
150921	13-425	SBR	100 pcs
150922	15-425	SBR	100 pcs

Black screw caps with butyl/PTFE liners.

CAT.NO.	SIZE	LINERS	CASE PACK
150931	13-425	Butyl/PTFE	100 pcs
150932	15-425	Butyl/PTFE	100 pcs



## BIO-GRIP CULTURE VIALS

BOROSILICATE GLASS

Micro culture vials with flat bottom are manufactured from borosilicate glass type I. Vials have deep-skirted Bio-Grip screw caps for safer, dependable handling when working with infectious materials.

Bio-Grip vials can be autoclaved.

CAT.NO.	VOLUME	VIAL SIZE	CAP SIZE	CASE PACK
153100	4.0ml	15x49mm	13-415	100 pcs
153101	8.0ml	17x68mm	15-415	100 pcs
153102	12.0ml	19x70mm	15-415	100 pcs

## BIO-GRIP SCREW CAPS

PHENOLIC

Black screw caps with SBR (styrene butadiene rubber) liners.

CAT.NO.	CAP SIZE	LINERS	CASE PACK
153110	13-415	SBR	100 pcs
153111	15-415	SBR	100 pcs

Black screw caps with butyl/PTFE liners.

CAT.NO.	CAP SIZE	LINERS	CASE PACK
153120	13-415	Butyl/PTFE	100 pcs
153121	15-415	Butyl/PTFE	100 pcs

# EPA-VOA VIALS



## WATER SAMPLING VIALS

BOROSILICATE GLASS

These vials are for water sampling analysis of priority pollutants or trihalomethane in drinking water.

- Borosilicate glass
- Shrink-wrapped to maintain cleanliness
- Ideal for VOA (Volatile Organics Analysis)

## VIAL KIT

Vials, screw caps open top & silicone/PTFE liners. Liners are not pre-assembled in screw caps.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151900	40ml	27x 95mm	100 pcs

Kit contents: 151910, 151902 & 151908

## VIAL KIT

Vials, screw caps open top & silicone/PTFE liners. Liners are pre-assembled in screw caps.

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
151915	40ml	27x 95mm	100 pcs
151916	40ml	27x 95mm	100 pcs
151917	40ml	27x 95mm	100 pcs

Kit contents: 151915= 151910/ 151902/ 151906  
 151916= 151910/ 151902/ 151907  
 151917= 151910/ 151902/ 151908

## VOA VIALS

BOROSILICATE GLASS

CAT.NO.	VOLUME	VIAL SIZE	CASE PACK
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### CLEAR GLASS

151955	20ml	27x 58mm	100 pcs
151910	40ml	27x 95mm	100 pcs
151912	60ml	27x140mm	100 pcs

### AMBER GLASS

151956	20ml	27x 58mm	100 pcs
151911	40ml	27x 95mm	100 pcs
151913	60ml	27x140mm	100 pcs

## SCREW CAPS OPEN TOP

PHENOLIC

CAT.NO.	SIZE	COLOR	CASE PACK
151902	24-400	Black	100 pcs
151905	24-400	White	100 pcs

## SEPTA

CAT.NO.	TYPE	THICKNESS	CASE PACK
151904	Butyl/PTFE	1.0mm	100 pcs
151906	Silicone/PTFE	1.5mm	100 pcs
151907	Silicone/PTFE	2.0mm	100 pcs
151908	Silicone/PTFE	3.0mm	100 pcs



# SOIL TESTING BOTTLES



## BOTTLES

### SODA GLASS

Bottles are shrink-wrapped without cardboard boxes. Wide opening allows for efficient addition and removal of contents. Versatile storage for solids, liquids, powders and specimens.

CAT.NO.	VOLUME	BOTTLE SIZE	CASE PACK
160055	150ml	57x104mm	42 pcs

## SCREW CAPS

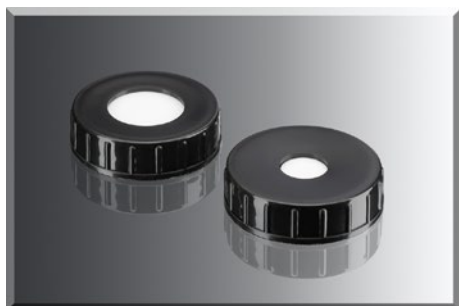
### POLYPROPYLENE

Screw caps are available with different hole diameters.

CAT.NO.	SIZE	HOLE SIZE	CASE PACK
160011	GL45	15mm	100 pcs
160012	GL45	25mm	100 pcs

## LINERS

CAT.NO.	SIZE	THICKNESS	CASE PACK
160017	GL45	2mm	100 pcs



## SCREW CAPS WITH PRE-ASSEMBLED LINERS

### POLYPROPYLENE

CAT.NO.	SIZE	HOLE SIZE	CASE PACK
160021	GL45	15mm	100 pcs
160022	GL45	25mm	100 pcs

## SERVICES

We can also mount the screw caps on bottles and supply the weight of each bottle.



## VIALSTATION® ACRYLIC

These Vialstations are made for use with limited volume inserts and vials.

They are made of heavy acrylic glass and stand firm on your lab bench without sliding around. Reagents and samples may be added and closed prior to placing the vials in the autosampler.

These Vialstations are especially handy for conical and round bottom vials which will not stand by themselves.

The design allows crimping while vials are still in the Vialstation. Not applicable for all versions.

CAT.NO.	VIAL/INSERT	HOLES	CASE PACK
153500	151111/ 151112/ 151115/ 151116	50	1 each
153501	150710	50	1 each
153502	150610/ 150730	50	1 each
153503	150613	50	1 each
153504	152600/ 152601/ 152610/ 152611	50	1 each
153505	150721/ 150751/ 150726	50	1 each
153506	151120/ 151123/ 150640/ 155600	50	1 each
153507	151140/ 151141/ 151142	50	1 each
153508	151100/ 151106	50	1 each
153509	150741/ 150820	50	1 each
153511	150745/ 150770/ 158100	28	1 each

All Vialstations have the dimension 190 x 90mm.



## VIALTAINER® POLYSTYROL

The solution to storage problems. For collecting, handling cataloging and storing samples.

A convenient, compact and readily accessible means of storing samples. Made from clear polystyrene. Accommodates either 77 or 88 vials.

Two sizes are available: 200x140x50mm and 150x90x40mm.

Alpha-numerical indexing of contents provides quick identification and location of samples.

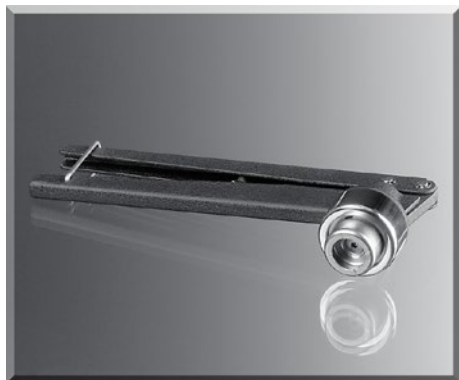
Vialtainers come without vials.

CAT.NO.	VIAL SIZE	CAPACITY	CASE PACK
151340	12x32mm	77 vials	1 each
151341	15x45mm	88 vials	1 each

## INDEX CARDS

CAT.NO.	VIALTAINER	CASE PACK
151350	151340	10 pcs
151351	151341	10 pcs

# CRIMPER



## CRIMPER

Manual crimpers with steel jaws for securing aluminum crimp seals.

<u>CAT.NO.</u>	<u>SIZE</u>	<u>CASE PACK</u>
150000	8mm	1 each
150001	11mm	1 each
150002	13mm	1 each
150003	20mm	1 each
150004	28mm	1 each
150005	30mm	1 each
150006	32mm	1 each



## DECRIMPER

Makes seal removal quickly and easily.

<u>CAT.NO.</u>	<u>SIZE</u>	<u>CASE PACK</u>
150010	8mm	1 each
150011	11mm	1 each
150012	13mm	1 each
150013	20mm	1 each
150014	28mm	1 each
150015	30mm	1 each
150016	32mm	1 each



## DECAPPER PLIER

Inexpensive pliers for removal of seals.

<u>CAT.NO.</u>	<u>SIZE</u>	<u>CASE PACK</u>
150020	8mm	1 each
150021	11mm	1 each
150022	13mm	1 each
150023	20mm	1 each

# SEPTA SELECTION GUIDE

## SILICONE/PTFE

- Excellent resealing capabilities
- Autoclavable and excellent resistance to coring
- Chemical resistance until pierced
- Temperature range -40°C to 200°C

## SILICONE/PTFE PRE-SLIT SEPTA

- Reduces the possibility of coring with blunt injection needles
- Prevent vacuum from forming inside vial
- Temperature range -40°C to 200°C
- Recommended for Shimadzu, Hitachi and other samplers with thin gauge needles

## PTFE/SILICONE/PTFE

- Recommended for multiple injections
- Excellent resistance to coring
- Recommended for internal standards, trace analysis
- Temperature range -40°C to 200°C

## PTFE

- Excellent solvent resistance
- For single injection only
- Not resealable
- Maximum temperature 260°C

## RUBBER/PTFE

- Economical septa for routine analysis
- Easy to pierce
- Moderate resealability
- Chemical resistance until pierced
- Not recommended for multiple injections
- Temperature range -40°C to 120°C

## SBR

- Excellent properties of resilience
- Resistant to moisture vapor
- Satisfactory with most moderate chemicals
- Not recommended for oils, strong acids and hydrocarbons
- Maximum temperature -30°C- +110°C

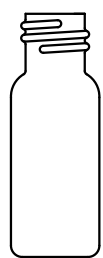
## BUTYL/PTFE

- Economical septa for routine analysis
- Excellent for long term storage
- Temperature range -40°C to 120°C

## POLYETHYLENE SEPTA

- Chemically resistant septa molded into cap
- Not resealable
- For single injection only
- Temperature range -50°C to 80°C

# PRODUCT PROFILES



150640



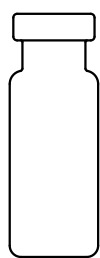
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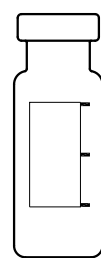
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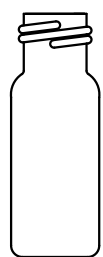
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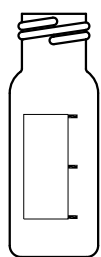
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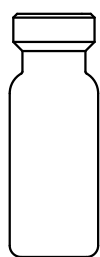
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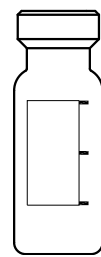
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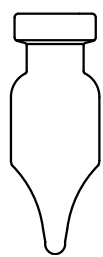
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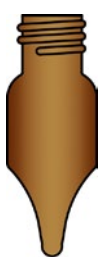
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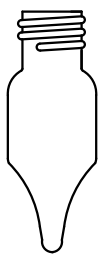
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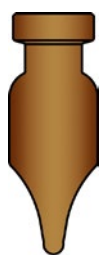
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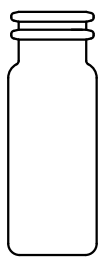
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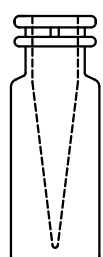
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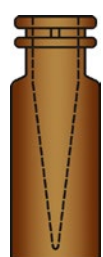
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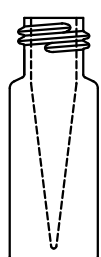
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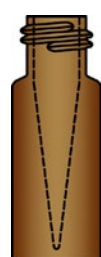
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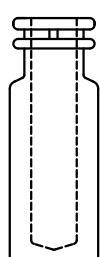
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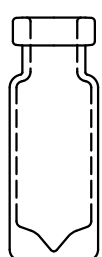
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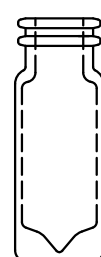
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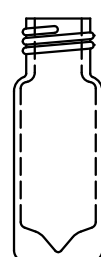
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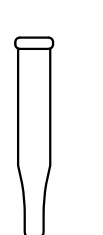
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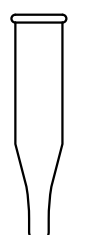
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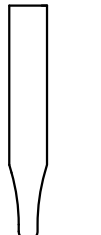
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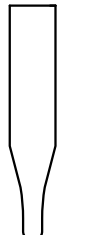
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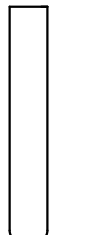
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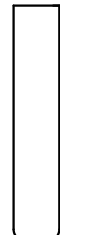
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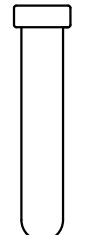
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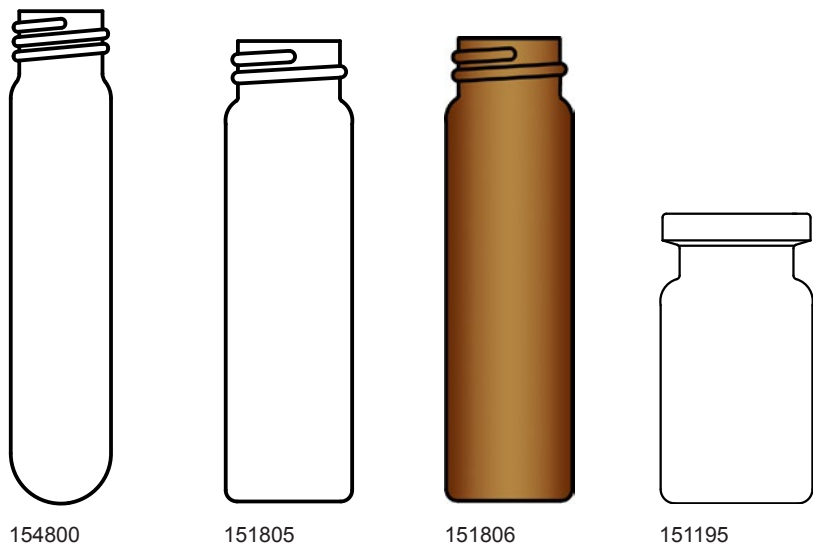
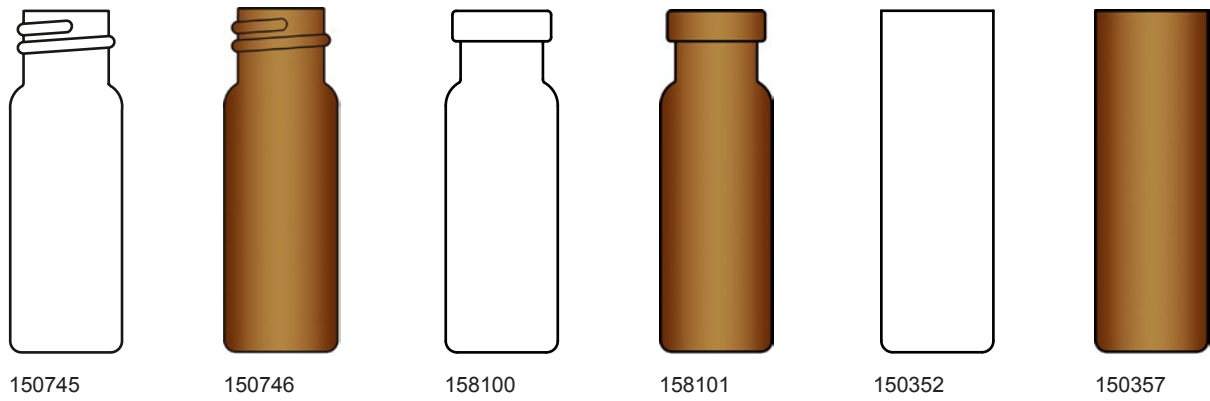
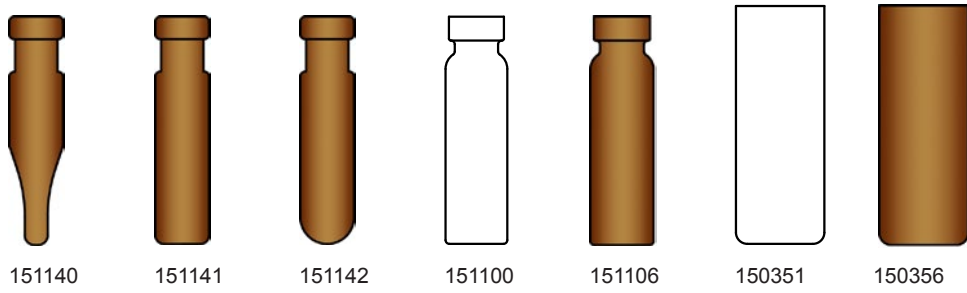
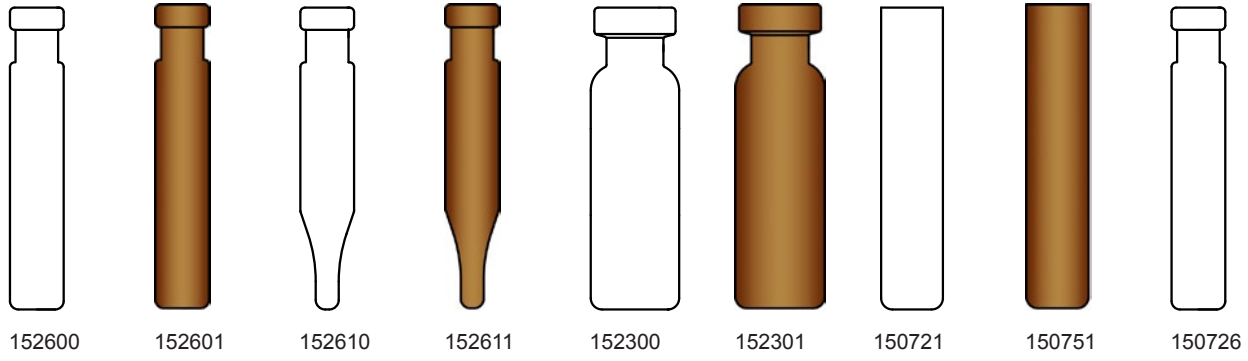


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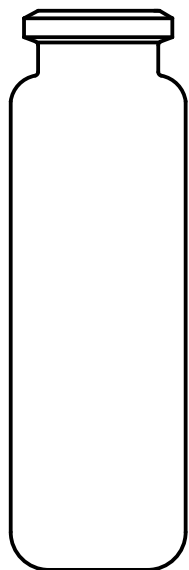


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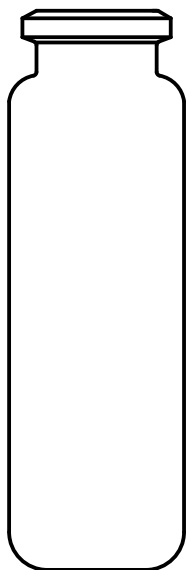
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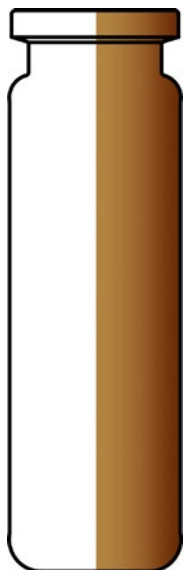
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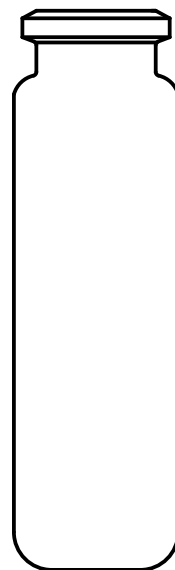
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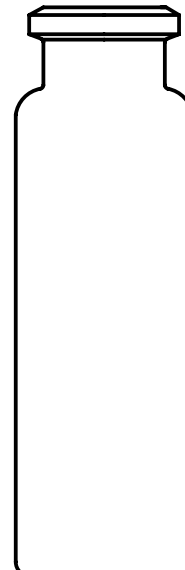
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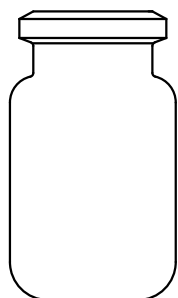
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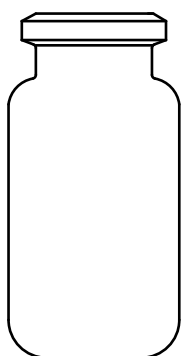
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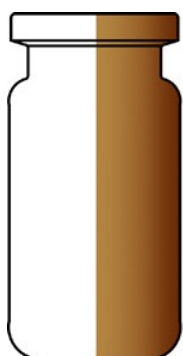
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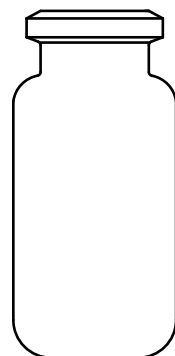
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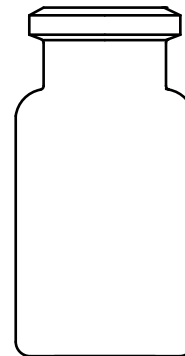
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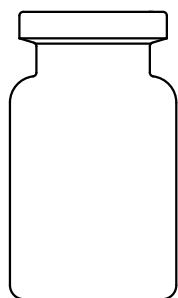
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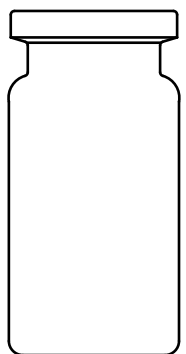
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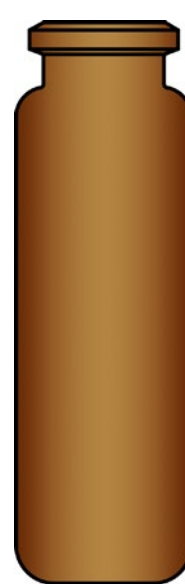
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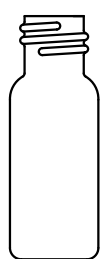


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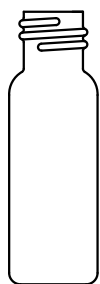


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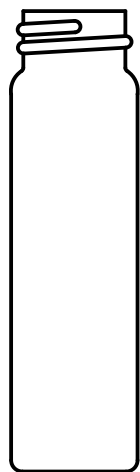
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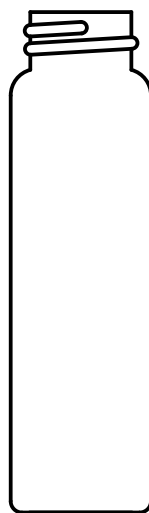
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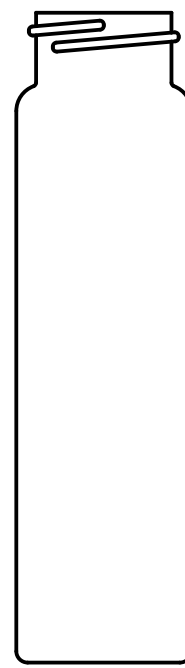
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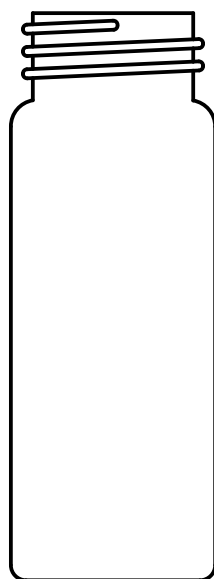
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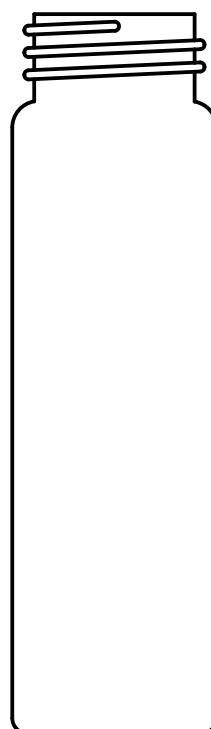
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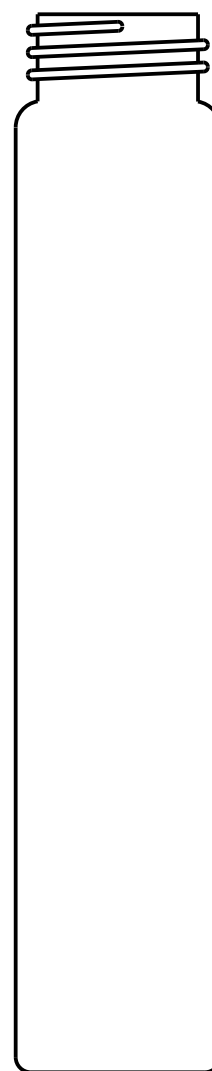
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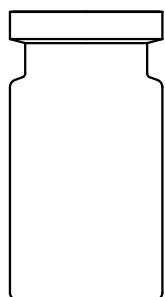
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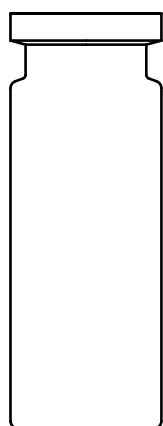
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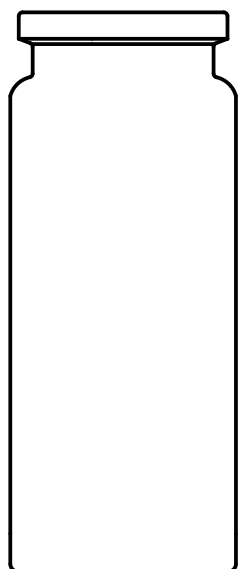
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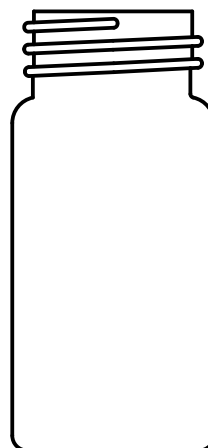
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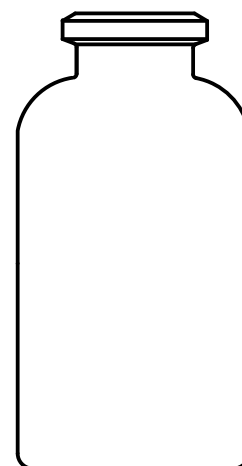
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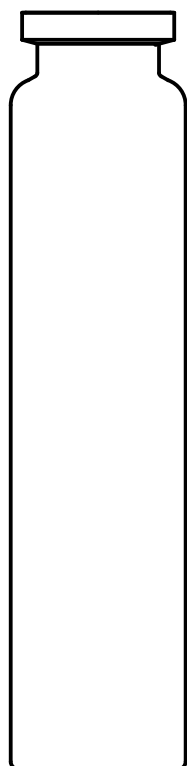
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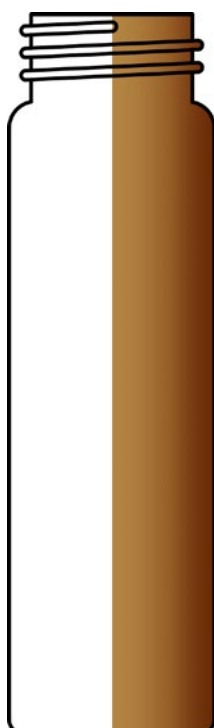
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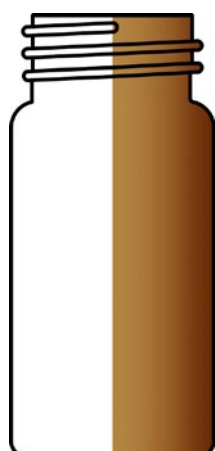
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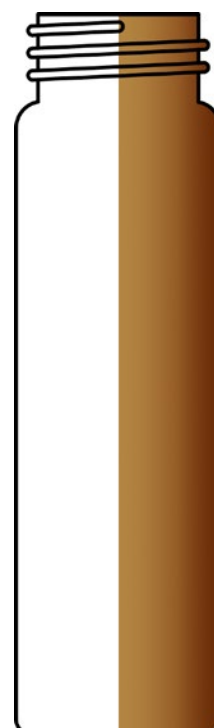
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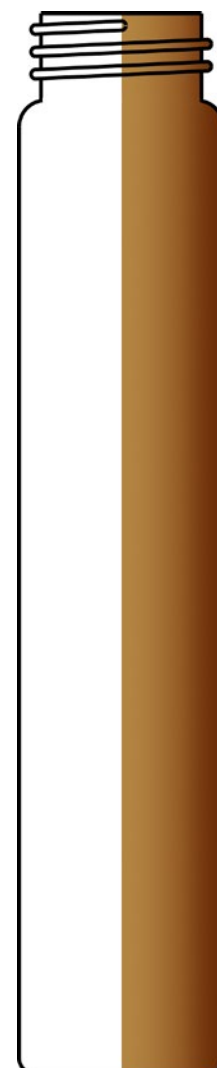
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