

BROWN
CHROMATOGRAPHY SUPPLIES



MICROCOLUMN



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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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

| | | | | |
|--------|-------|---------|------|----------|
| 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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

| | | | | |
|--------|-------|---------|------|---------|
| 158050 | 0.3ml | 12x32mm | 11mm | 100 pcs |
|--------|-------|---------|------|---------|

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 |
|-----------------|--------|-----------|--------------|-----------|
| AOC-5000 | | | | |
| 151107 | 10ml | 23x46mm | | 100 pcs |
| 151103 | 20ml | 23x75mm | | 100 pcs |
| HSS-2B | | | | |
| 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 |
|-------------------------|--------|-----------|-----|-----------|
| HS2000 | | | | |
| 151107 | 10ml | 23x46mm | | 100 pcs |
| 151103 | 20ml | 23x75mm | | 100 pcs |
| Finnigan Triplus | | | | |
| 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 |
|---------------------------------|--------|-----------|-----------|-----------|
| GENESIS | | | | |
| 151105 | 6ml | 22x38mm | 392611857 | 100 pcs |
| 151103 | 20ml | 23x75mm | 392611675 | 100 pcs |
| CP8000 Series Combi PAL™ | | | | |
| 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.

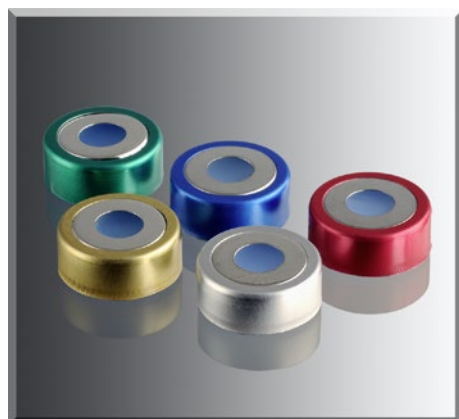
| CAT.NO. | DIAMETER | DESCRIPTION | CASE PACK |
|---------|----------|----------------------------|-----------|
| 151286 | 20mm | Butyl red/PTFE gray | 100 pcs |
| 151287 | 20mm | Silicone transp. blue/PTFE | 100 pcs |
| 151222 | 20mm | Rubber-Butyl/PTFE | 100 pcs |
| 151223 | 20mm | Molded Butyl/PTFE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

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 |
|---------|------|-------------|-----------|
|---------|------|-------------|-----------|

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

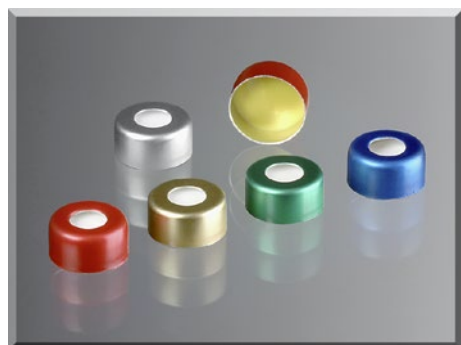
ALUMINUM

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 |
| SNAP CAPS LINERLESS | | | |
| 153430 | Molded 0.25mm | Natural | 100 pcs |
| 153431 | | Red | 100 pcs |
| 153432 | | Blue | 100 pcs |
| 153433 | | Yellow | 100 pcs |
| 153434 | | Green | 100 pcs |
| SNAP CAPS WITH SINGLE SLIT SEPTA | | | |
| 153435 | Silicone/PTFE | Natural | 100 pcs |
| 153436 | | Red | 100 pcs |
| 153437 | | Blue | 100 pcs |
| 153438 | | Yellow | 100 pcs |
| 153439 | | Green | 100 pcs |
| SNAP CAPS WITH CROSS SLIT SEPTA | | | |
| 153440 | Silicone/PTFE | Natural | 100 pcs |
| 153441 | | Red | 100 pcs |
| 153442 | | Blue | 100 pcs |
| 153443 | | Yellow | 100 pcs |
| 153444 | | Green | 100 pcs |
| SNAP CAPS WITH STAR SLIT SEPTA | | | |
| 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 |
| SNAP CAPS LINERLESS | | | |
| 153330 | Molded 0.25mm | Natural | 100 pcs |
| 153331 | | Red | 100 pcs |
| 153332 | | Blue | 100 pcs |
| 153333 | | Yellow | 100 pcs |
| 153334 | | Green | 100 pcs |
| SNAP CAPS WITH SINGLE SLIT SEPTA | | | |
| 153335 | Silicone/PTFE | Natural | 100 pcs |
| 153336 | | Red | 100 pcs |
| 153337 | | Blue | 100 pcs |
| 153338 | | Yellow | 100 pcs |
| 153339 | | Green | 100 pcs |
| SNAP CAPS WITH CROSS SLIT SEPTA | | | |
| 153345 | Silicone/PTFE | Natural | 100 pcs |
| 153346 | | Red | 100 pcs |
| 153347 | | Blue | 100 pcs |
| 153348 | | Yellow | 100 pcs |
| 153349 | | Green | 100 pcs |
| SNAP CAPS WITH STAR SLIT SEPTA | | | |
| 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 |
| SNAP CAPS LINERLESS | | | |
| 158130 | Molded 0.25mm | Natural | 100 pcs |
| 158131 | | Red | 100 pcs |
| 158132 | | Blue | 100 pcs |
| 158133 | | Yellow | 100 pcs |
| 158134 | | Green | 100 pcs |
| SNAP CAPS WITH SINGLE SLIT SEPTA | | | |
| 158135 | Silicone/PTFE | Natural | 100 pcs |
| 158136 | | Red | 100 pcs |
| 158137 | | Blue | 100 pcs |
| 158138 | | Yellow | 100 pcs |
| 158139 | | Green | 100 pcs |
| SNAP CAPS WITH CROSS SLIT SEPTA | | | |
| 158140 | Silicone/PTFE | Natural | 100 pcs |
| 158141 | | Red | 100 pcs |
| 158142 | | Blue | 100 pcs |
| 158143 | | Yellow | 100 pcs |
| 158144 | | Green | 100 pcs |
| SNAP CAPS WITH STAR SLIT SEPTA | | | |
| 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 |
|---------------------|---------------|------|-----------|
| LOW VERSION | | | |
| 158250 | Silicone/PTFE | 5mm | 100 pcs |
| 158260 | Butyl/PTFE | 5mm | 100 pcs |
| HIGH VERSION | | | |
| 158255 | Silicone/PTFE | 5mm | 100 pcs |
| 158256 | Silicone/PTFE | 8mm | 100 pcs |
| HIGH VERSION | | | |
| 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 |
|---------|--------|-------|-----------|
|---------|--------|-------|-----------|

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 |
|---------|--------|-------|-----------|
|---------|--------|-------|-----------|

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 |
|---------|--------|-------|-----------|
|---------|--------|-------|-----------|

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 |
|---------|--------|-------|-----------|
|---------|--------|-------|-----------|

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 |
|---------|--------|-------|----------|-----------|
|---------|--------|-------|----------|-----------|

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 |
|---------|--------|-------|----------|-----------|
|---------|--------|-------|----------|-----------|

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 |
|---------|--------|-----------|-----------|
|---------|--------|-----------|-----------|

| | | | |
|---------|-------|---------|---------|
| 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 |

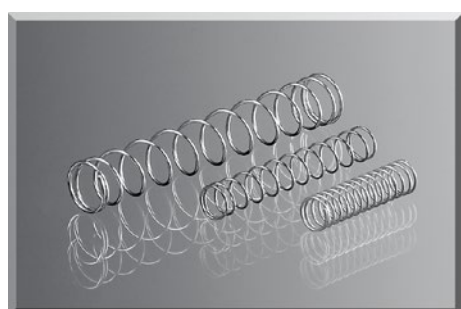
All above inserts require compression springs #150715 for support.

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.

| <u>CAT.NO.</u> | <u>VOLUME</u> | <u>SIZE</u> | <u>CASE PACK</u> |
|----------------|---------------|-------------|------------------|
| 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.

| <u>CAT.NO.</u> | <u>VOLUME</u> | <u>VIAL SIZE</u> | <u>VIAL TYPE</u> | <u>CASE PACK</u> |
|----------------|---------------|------------------|------------------|------------------|
| 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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|------|-------|-----|-----------|
|---------|------|-------|-----|-----------|

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 |
|--------|------|--------|-----------|---------|

PTFE/SILICONE/PTFE SEPTA

| | | | | |
|--------|------|--------|-----------|---------|
| 151267 | 11mm | Silver | 5181-1211 | 100 pcs |
|--------|------|--------|-----------|---------|

SNAP-ON® CAPS

POLYETHYLENE

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

| CAT.NO. | DESCRIPTION | COLOR | OEM | CASE PACK |
|---------|-------------|-------|-----|-----------|
|---------|-------------|-------|-----|-----------|

| | | | | |
|--------|--------------------|---------|-----------|---------|
| 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 |
|--------|-----------|---------|-----------|---------|

Colored snap caps available on page 18.

MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

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

| | | | | |
|--------|-------|--------|-----------|---------|
| 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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|-------|-------------|-----|-----------|
|---------|-------|-------------|-----|-----------|

| | | | | |
|--------|-------|-------------|-----------|---------|
| 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 |
|---------|-------|-----|-----------|
|---------|-------|-----|-----------|

| | | | |
|--------|-------|-----------|---------|
| 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 |
|---------|-------------|-----|-----------|
|---------|-------------|-----|-----------|

| | | | |
|--------|--------------------|-----------|---------|
| 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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|--------|-------|--------|-----------|---------|
| 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 |
|--------------------------------|--------|----------------|-----------|-----------|
| CLEAR GLASS | | | | |
| 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 |
| AMBER GLASS | | | | |
| 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 |
| VIALS WITH WRITING SPOT | | | | |
| 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 |
|--------|-----|--------|-----------|---------|



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 |
|--------|-----|--------|---------|



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 |
|--------|-----|--------|---------|

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 |
|--------|------|--------|---------|



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 |
|--|------|--------------------|-----------|
| RED CRIMP SEALS | | | |
| 157115 | 20mm | Butyl/PTFE | 100 pcs |
| 157116 | 20mm | Blue Silicone/PTFE | 100 pcs |
| 157117 | 20mm | Red Silicone/PTFE | 100 pcs |
| BLUE CRIMP SEALS | | | |
| 157120 | 20mm | Butyl/PTFE | 100 pcs |
| 157121 | 20mm | Blue Silicone/PTFE | 100 pcs |
| 157122 | 20mm | Red Silicone/PTFE | 100 pcs |
| GREEN CRIMP SEALS | | | |
| 157125 | 20mm | Butyl/PTFE | 100 pcs |
| 157126 | 20mm | Blue Silicone/PTFE | 100 pcs |
| 157127 | 20mm | Red Silicone/PTFE | 100 pcs |
| GOLD CRIMP SEALS | | | |
| 157130 | 20mm | Butyl/PTFE | 100 pcs |
| 157131 | 20mm | Blue Silicone/PTFE | 100 pcs |
| 157132 | 20mm | Red Silicone/PTFE | 100 pcs |
| SILVER CRIMP SEALS | | | |
| 157135 | 20mm | Butyl/PTFE | 100 pcs |
| 157136 | 20mm | Blue Silicone/PTFE | 100 pcs |
| 157137 | 20mm | Red Silicone/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/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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|--------|--------|-----------|----------|-----------|
|--------|--------|-----------|----------|-----------|

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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

| | | | | |
|---------|-------|--------|-----|---------|
| 151100 | 0.8ml | 8x30mm | 8mm | 200 pcs |
| 151106* | 0.8ml | 8x30mm | 8mm | 200 pcs |

CONICAL

| | | | | |
|---------|-------|--------|-----|---------|
| 151140* | 0.5ml | 7x30mm | 8mm | 100 pcs |
|---------|-------|--------|-----|---------|

* amber glass

CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

For all vials with 8mm crimp neck.

| 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. 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 |
|--------|-----|--------|---------|

AUTOSAMPLER VIALS

BOROSILICATE GLASS

CE-8000

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

| CAT.NO. | VOLUME | SIZE | TYPE | CASE PACK |
|---------|--------|------|------|-----------|
|---------|--------|------|------|-----------|

| | | | | |
|--------|-------|--------|---------|---------|
| 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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |

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 0.25mm | 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 | VIALS | CASE PACK |
|---------|--------|------|-------|-----------|
|---------|--------|------|-------|-----------|

| | | | | |
|---------|-------|--------|--------|---------|
| 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 |
|---------|--------|----------|-----------|
|---------|--------|----------|-----------|

| | | | |
|--------|------|-----|---------|
| 150614 | 37mm | 5mm | 100 pcs |
|--------|------|-----|---------|

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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

RED CRIMP SEALS

| | | | | |
|--------|------|--------------------|---------------|---------|
| 157116 | 20mm | Blue Silicone/PTFE | 093640-063-00 | 100 pcs |
|--------|------|--------------------|---------------|---------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

| | | | | |
|--------|------|---------------|---------------|---------|
| 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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

| | | | | |
|--------|------|---------------|---------------|---------|
| 157151 | 11mm | Silicone/PTFE | 093640-007-00 | 100 pcs |
|--------|------|---------------|---------------|---------|



XL® VIALS

BOROSILICATE GLASS

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

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 |
|---------|-------|-------------|-----|-----------|
|---------|-------|-------------|-----|-----------|

| | | | | |
|--------|---------|---------------|---------------|---------|
| 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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|--------|-------|--------|---------------|---------|
| 150821 | 400µl | 6x30mm | 093640-047-00 | 100 pcs |
|--------|-------|--------|---------------|---------|

MAXIMUM RECOVERY AUTOSAMPLER VIALS

BOROSILICATE GLASS

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

| | | | | |
|--------|-------|---------|---------------|---------|
| 155510 | 1.6ml | 12x32mm | 093640-045-00 | 100 pcs |
|--------|-------|---------|---------------|---------|



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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
| 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 |
| 153320 | 11mm | Silicone/PTFE | 100 pcs |
| 153335 | 11mm | Silicone/PTFE single slit | 100 pcs |

SNAP CAPS LINERLESS

| | | | |
|--------|------|--------|---------|
| 153330 | 11mm | Molded | 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 | FOR VIALS | CASE PACK |
|---------|--------|------|-----------|-----------|
|---------|--------|------|-----------|-----------|

| | | | | |
|---------|-------|--------|--------|---------|
| 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 |
|---------|--------|----------|-----------|
|---------|--------|----------|-----------|

| | | | |
|--------|--------|-----|---------|
| 150614 | 4x27mm | 5mm | 100 pcs |
|--------|--------|-----|---------|

**XL® AUTOSAMPLER VIALS**

BOROSILICATE GLASS

HT280T, HT3000A, HT3100A, HT3200A, HT300L, HT800L

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

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 |
|---------|-------|-------------|-----------|
|---------|-------|-------------|-----------|

| | | | |
|--------|--------|---------------|---------|
| 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 |
|---------|-------|-------------|-----------|
|---------|-------|-------------|-----------|

| | | | |
|--------|--------|-------------|---------|
| 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 |
|---------|-------|-------------|-----------|
|---------|-------|-------------|-----------|

| | | | |
|--------|--------|---------------------------|---------|
| 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 |
|---------|--------|-----------|-----------|
|---------|--------|-----------|-----------|

| | | | |
|--------|------|---------|---------|
| 151117 | 10ml | 23x46mm | 100 pcs |
|--------|------|---------|---------|

CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

Crimp seals 20mm with center hole.

| CAT.NO. | DIAMETER | DESCRIPTION | CASE PACK |
|---------|----------|-------------|-----------|
|---------|----------|-------------|-----------|

| | | | |
|--------|------|----------------------------|---------|
| 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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|------|------|-----------|
|---------|------|------|-----------|

| | | | |
|--------|------|--------------------|---------|
| 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 |

SNAP CAPS LINERLESS

| | | | |
|--------|------|--------|---------|
| 153330 | 11mm | Molded | 100 pcs |
|--------|------|--------|---------|

MICROSERV® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

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

| | | | |
|---------|-------|--------|---------|
| 152310* | 300µl | 6x35mm | 100 pcs |
|---------|-------|--------|---------|

* compression springs #152315 needed for support and to raise insert for a perfect seal.

COMPRESSION SPRINGS

STAINLESS STEEL

| CAT.NO. | CASE PACK |
|---------|-----------|
|---------|-----------|

| | |
|--------|---------|
| 152315 | 100 pcs |
|--------|---------|



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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|----------|-------|-----------|
|---------|----------|-------|-----------|

| | | | |
|---------|-----|--------|---------|
| 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 |
|---------|----------|-----------|-----------|
|---------|----------|-----------|-----------|

| | | | |
|--------|-----|--------|----------|
| 150605 | 8mm | 0.25mm | 1000 pcs |
|--------|-----|--------|----------|

SEPTA

| CAT.NO. | DIAMETER | 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 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. | INSERTS | CASE PACK |
|---------|---------|-----------|
|---------|---------|-----------|

| | | |
|--------|--------|---------|
| 150614 | 4x27mm | 100 pcs |
|--------|--------|---------|



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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|------|-------------|-----------|
|---------|------|-------------|-----------|

| | | | |
|--------|------|--------------------|---------|
| 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 |

SNAP CAPS LINERLESS

| | | | |
|--------|------|--------|---------|
| 153330 | 11mm | Molded | 100 pcs |
|--------|------|--------|---------|

MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

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

| | | | |
|--------|-------|--------|---------|
| 150820 | 300µl | 6x30mm | 100 pcs |
|--------|-------|--------|---------|



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 |
|--------|-----|--------|---------|

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 |
|--------|------|--------|---------|



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 |
|---------|--------|-----------|-----------|
|---------|--------|-----------|-----------|

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 |
|---------|------|-------------|-----------|
|---------|------|-------------|-----------|

| | | | |
|--------|-----|--------------------|---------|
| 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 |
|--------|-----|--------|---------|



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 |

MICROSER[®] 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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|---------|------|-------------|-----------|
|---------|------|-------------|-----------|

| | | | |
|--------|------|--------------------|---------|
| 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 |
|---------|------|-------------|-----------|
|---------|------|-------------|-----------|

| | | | |
|--------|------|--------------------|---------|
| 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 |
|--------|------|--------|---------|

MICROSERT® LIMITED VOLUME INSERTS

BOROSILICATE GLASS

| CAT.NO. | VOLUME | SIZE | VIALS | CASE PACK |
|---------|--------|------|-------|-----------|
|---------|--------|------|-------|-----------|

| | | | | |
|---------|-------|--------|---------------|---------|
| 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 |
|---------|--------|----------|-----------|
|---------|--------|----------|-----------|

| | | | |
|--------|------|-----|---------|
| 150614 | 37mm | 5mm | 100 pcs |
|--------|------|-----|---------|



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 |

MICROSERV[®] 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 |
|--------|------|--------|---------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|--------|-----|--------|---------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|-------|-------------|-----|-----------|
|---------|-------|-------------|-----|-----------|

| | | | | |
|--------|-----|---------------|-----------|---------|
| 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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|--------|-------|--------|-----------|---------|
| 155650 | 300µl | 6x30mm | 392611596 | 100 pcs |
|--------|-------|--------|-----------|---------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

| | | | | |
|--------|-------|---------|-----------|---------|
| 158008 | 0.1ml | 12x32mm | 392611665 | 100 pcs |
|--------|-------|---------|-----------|---------|



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 |
|--------|-------|---------|--------------|---------|

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 |
|---------|----------|-------------|-----|-----------|
|---------|----------|-------------|-----|-----------|

LC 9090/9095

| | | | | |
|--------|-----|-------------------|--------------|---------|
| 150622 | 8mm | Silicone/PTFE red | 69-000169-00 | 100 pcs |
|--------|-----|-------------------|--------------|---------|

GC 8000 Series & 8100

| | | | | |
|--------|-----|--------------------|-----------|---------|
| 150604 | 8mm | Silicone/PTFE blue | 390614901 | 100 pcs |
|--------|-----|--------------------|-----------|---------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

| | | | | |
|--------|-------|---------|--------------|---------|
| 153800 | 1.1ml | 12x32mm | 00-997431-08 | 100 pcs |
|--------|-------|---------|--------------|---------|

CRIMP SEALS WITH PRE-ASSEMBLED SEPTA

ALUMINUM

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

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

| | | | | |
|--------|------|--------------------|--------------|---------|
| 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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|--------|-------|--------|-----------|---------|
| 150610 | 100µl | 5x30mm | 392611593 | 100 pcs |
|--------|-------|--------|-----------|---------|



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 |
|---------|------|-----|-----------|
|---------|------|-----|-----------|

| | | | |
|--------|----------|-----------|--------|
| 153506 | 190x90mm | 392611516 | 1 each |
|--------|----------|-----------|--------|



AUTOSAMPLER VIALS

BOROSILICATE GLASS

ProStar400, ProStar410, ProStar420, ProStar430

Use crimp seals 11mm or snap caps 11mm.

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

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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

| | | | | |
|--------|------|---------------|-----------|---------|
| 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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

| | | | | |
|--------|------|--------------------|-----------|---------|
| 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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|--------|-------|--------|-----------|---------|
| 155650 | 300µl | 6x30mm | 392611596 | 100 pcs |
|--------|-------|--------|-----------|---------|

HANGING INSERTS

| | | | | |
|--------|-------|--------|--|---------|
| 156105 | 250µl | 6x30mm | | 100 pcs |
|--------|-------|--------|--|---------|

PLASTIC MICRO VIALS

POLYPROPYLENE

Use with crimp seals 11mm.

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

| | | | | |
|--------|--------|---------|-----------|---------|
| 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 |
|--------------------------------|--------|-----------|-----------|-----------|
| WIDE OPENING | | | | |
| 155600 | 2.0ml | 12x32mm | 186000273 | 100 pcs |
| 155601* | 2.0ml | 12x32mm | | 100 pcs |
| VIALS WITH WRITING SPOT | | | | |
| 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 |
|----------------------------------|--------|--------------------|-----------|-----------|
| CLEAR GLASS | | | | |
| 158601 | 2.0ml | Silicone/PTFE | 186000272 | 100 pcs |
| 158616 | 2.0ml | Silicone/PTFE slit | 186000307 | 100 pcs |
| CLEAR GLASS, WRITING SPOT | | | | |
| 158901 | 2.0ml | Silicone/PTFE | 186000843 | 100 pcs |
| 158916 | 2.0ml | Silicone/PTFE slit | 186000844 | 100 pcs |
| AMBER GLASS, WRITING SPOT | | | | |
| 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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|---------|------|-------------|-----|-----------|
|---------|------|-------------|-----|-----------|

| | | | | |
|--------|------|--------------------------|-----------|---------|
| 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 |
|--------|------|--------|--|---------|

CRIMP SEALS WITH PRE-ASSEMBLED SEPTA
ALUMINUM

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

| | | | |
|--------|------|---------------|---------|
| 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 |
|---------|--------|------|-----------|
|---------|--------|------|-----------|

| | | | |
|--------|-------|--------|---------|
| 150820 | 300µl | 6x30mm | 100 pcs |
|--------|-------|--------|---------|



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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

CRIMP VIALS

| | | | | |
|--------|-------|---------|-----------|---------|
| 158003 | 0.3ml | 12x32mm | 186000854 | 100 pcs |
|--------|-------|---------|-----------|---------|

SCREW VIALS

| | | | | |
|--------|-------|---------|-----------|---------|
| 158008 | 0.3ml | 12x32mm | 186000851 | 100 pcs |
|--------|-------|---------|-----------|---------|



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 |
|---------|--------|-------|-----|-----------|
|---------|--------|-------|-----|-----------|

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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

| | | | | |
|--------|------|---------|-----------|---------|
| 151107 | 10ml | 22x46mm | WAT223176 | 100 pcs |
|--------|------|---------|-----------|---------|

CRIMP SEALS WITH PRE-ASSEMBLED SEPTA
ALUMINUM

Crimp seals 20mm with center hole.

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

| | | | | |
|--------|------|---------------|-----------|---------|
| 151287 | 20mm | Silicone/PTFE | 600000138 | 100 pcs |
|--------|------|---------------|-----------|---------|



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 |
|---------|--------|-----------|-----|-----------|
|---------|--------|-----------|-----|-----------|

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 |
|--------|-------|---------|

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 |
|---------|--------|------|-----|-----------|
|---------|--------|------|-----|-----------|

| | | | | |
|---------|-------|--------|-------|---------|
| 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 |
|--------|------|-----|-------|---------|



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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

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 |
|--------|----------|--------|

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 |
|---------|--------|-----------|----------|-----------|
|---------|--------|-----------|----------|-----------|

VIALS ONLY

| | | | | |
|--------|------|---------|------|---------|
| 151600 | 20ml | 27x58mm | 22mm | 100 pcs |
|--------|------|---------|------|---------|

VIALKIT

| | | | | |
|--------|------|---------|------|---------|
| 151603 | 20ml | 27x58mm | 22mm | 500 pcs |
|--------|------|---------|------|---------|

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 |
|---------|-------|----------|-----------|
|---------|-------|----------|-----------|

| | | | |
|--------|-------------------|------|---------|
| 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 |
|---------|--------|-----------|-----------|
|---------|--------|-----------|-----------|

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 |
|---------|--------|-------------|-----------|
|---------|--------|-------------|-----------|

CLEAR GLASS

| | | | |
|--------|-------|---------|---------|
| 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 |
|---------|--------|-----------|-----------|
|---------|--------|-----------|-----------|

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

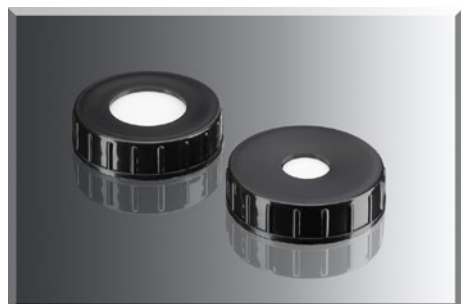
POLYPROPYLENE

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.

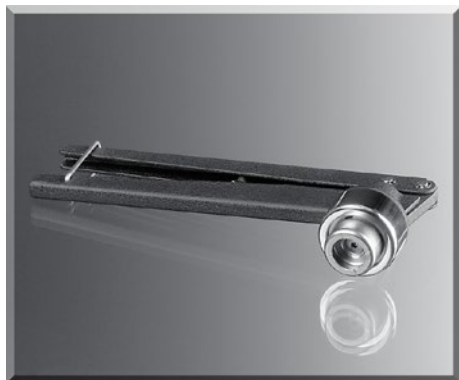
Vialtainers come without vials.

| 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

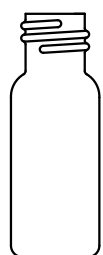
BUTYL/PTFE

- Economical septa for routine analysis
- Excellent for long term storage
- Temperature range -40°C to 120°C

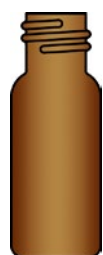
POLYETHYLENE SEPTA

- Chemically resistant septa molded into cap
- Not resealable
- For single injection only
- Temperature range -50°C to 80°C

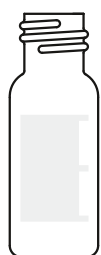
PRODUCT PROFILES



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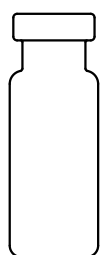
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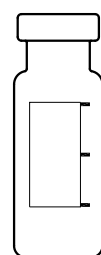
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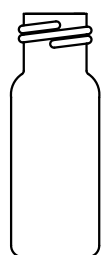
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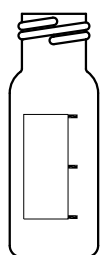
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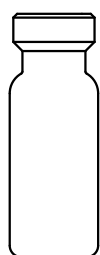
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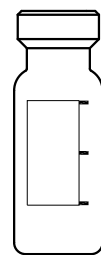
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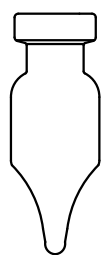
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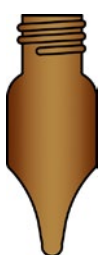
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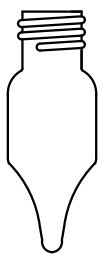
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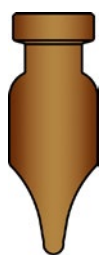
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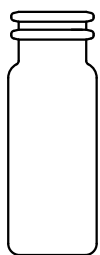
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153810



153811



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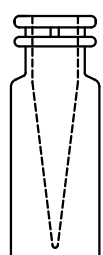
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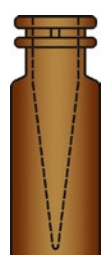
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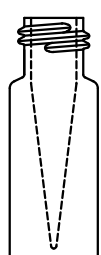
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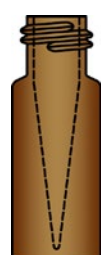
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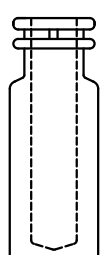
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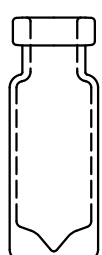
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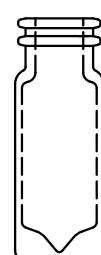
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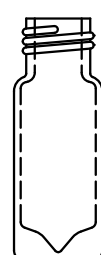
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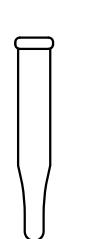
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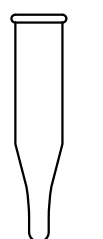
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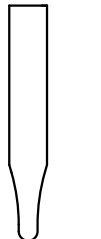
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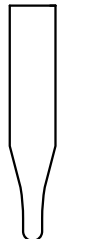
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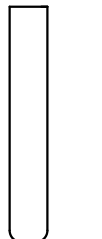
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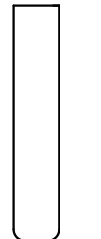
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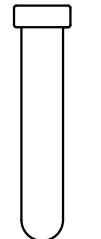
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150821

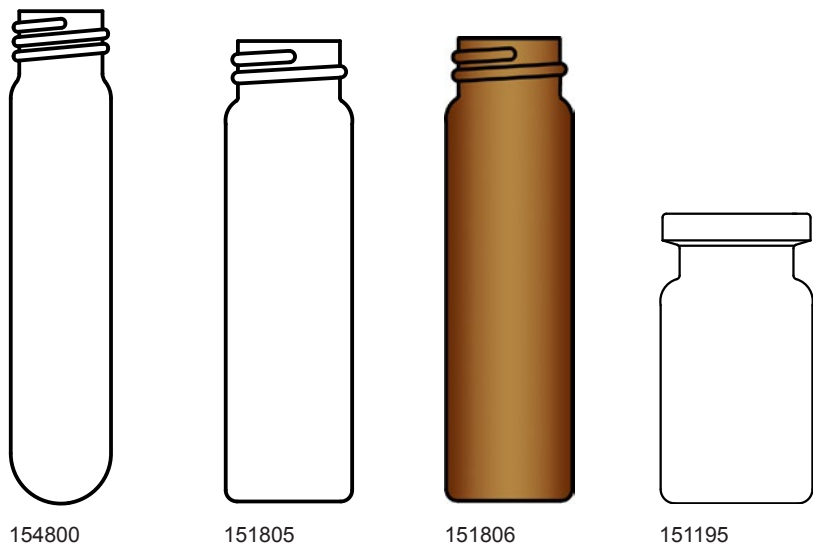
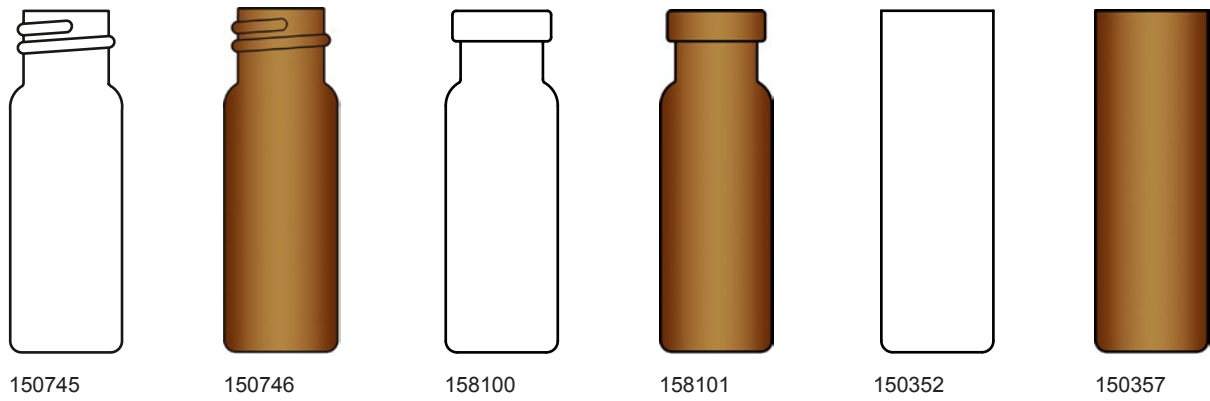
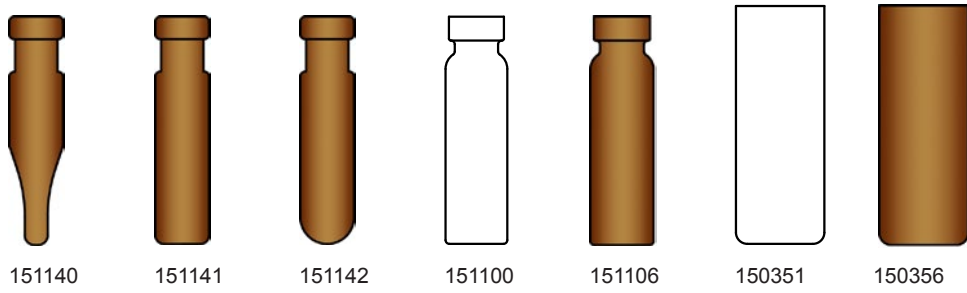
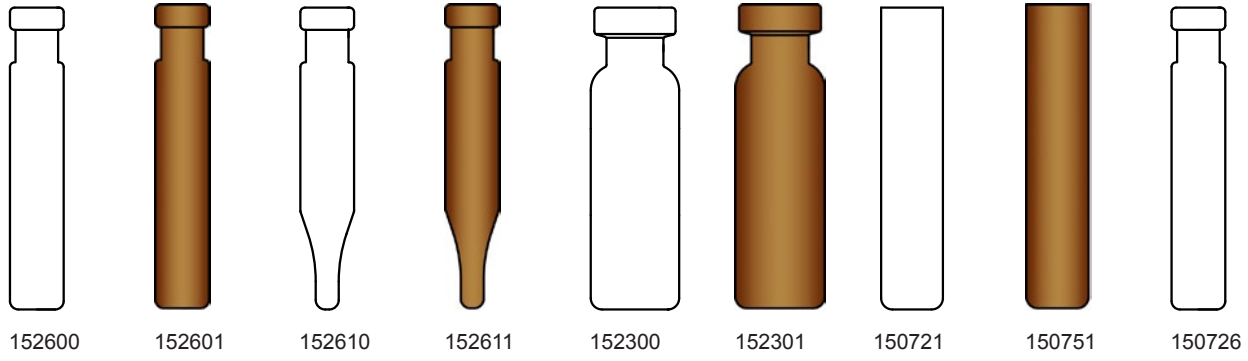


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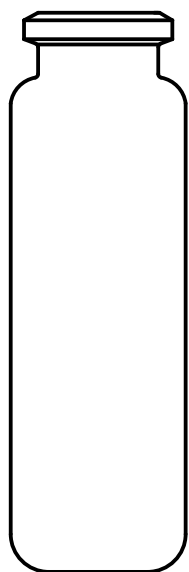


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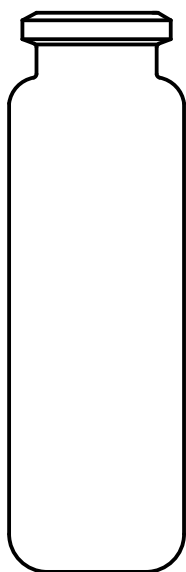
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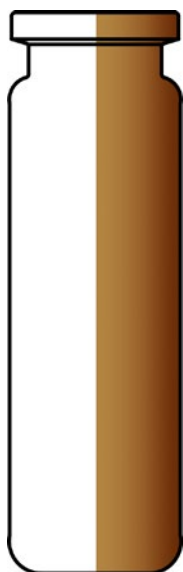
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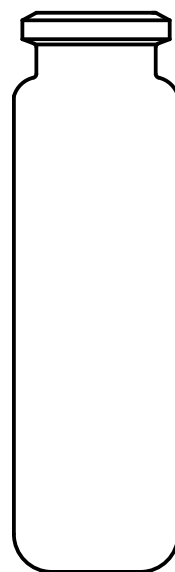
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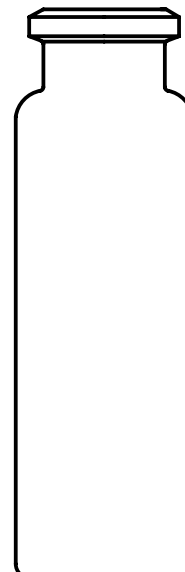
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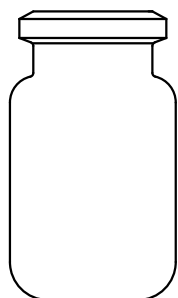
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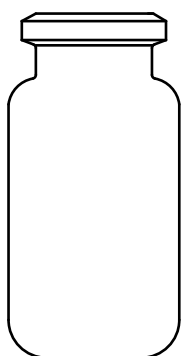
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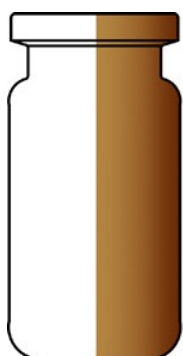
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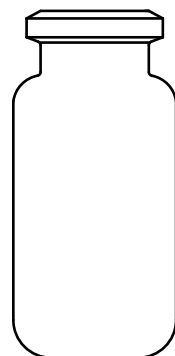
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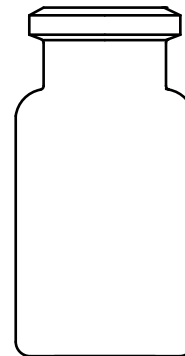
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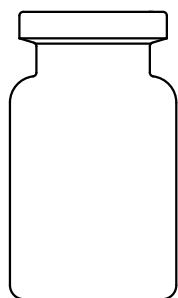
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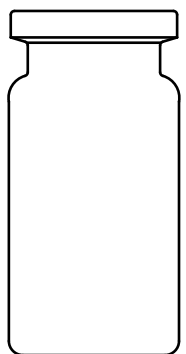
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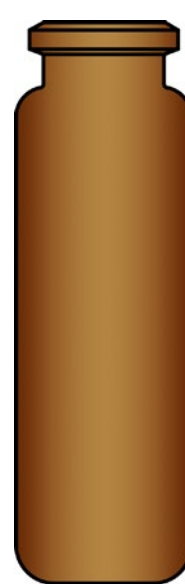
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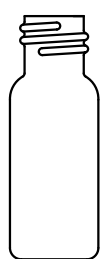


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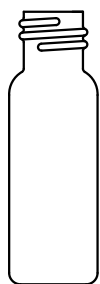


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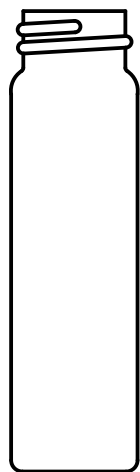
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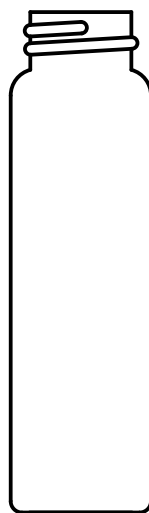
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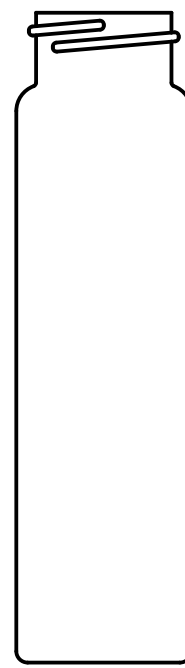
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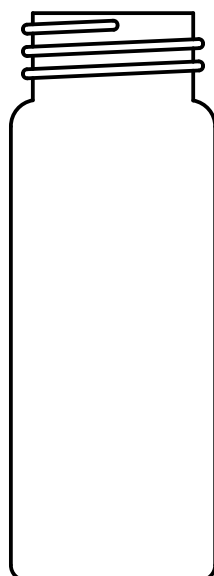
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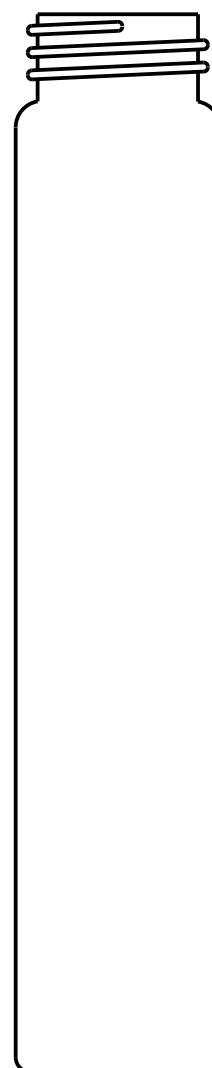
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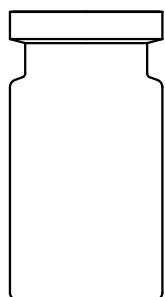


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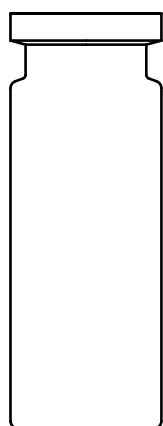


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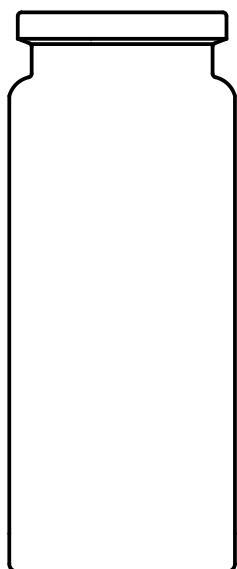
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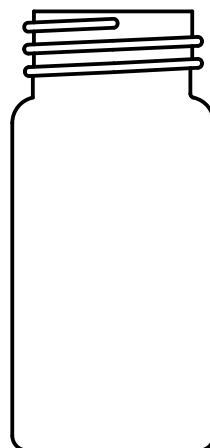
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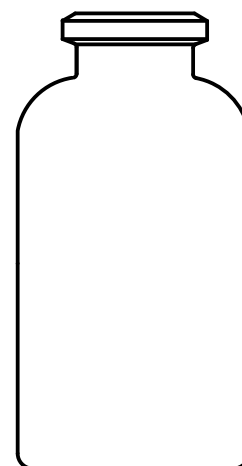
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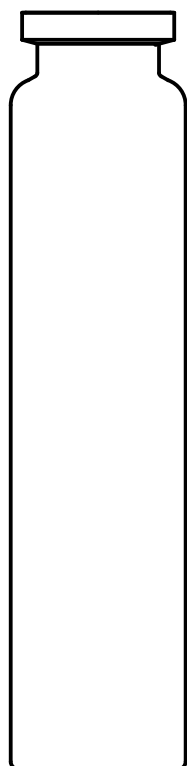
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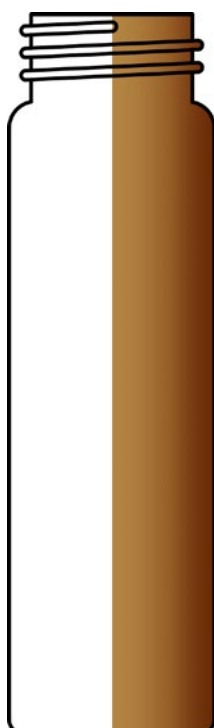
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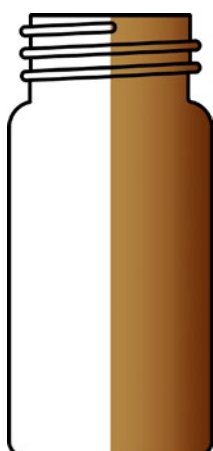
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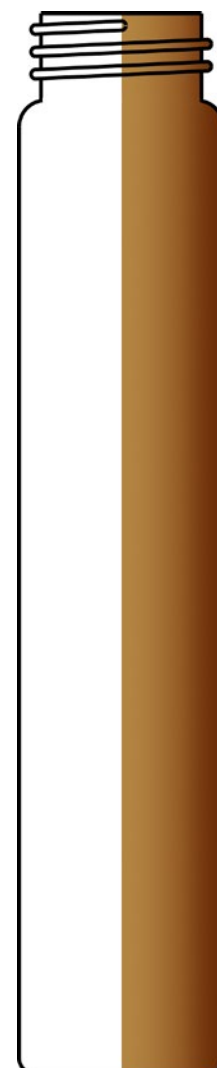
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TERMS & CONDITIONS

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