



Simply Quality

CERTIFIED VIALS, CAPS and SEPTA



YOUR **GLOBAL SCIENCE** PARTNER

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Greyhound Q-Range™ Chromatography Vials and Closures

Quality

Reliability

Performance



All Q-Range™ vials, inserts, caps and septa are manufactured to the highest specifications in the industry ensuring the products you receive will perform the task they are designed to do and that your analysis runs trouble free time after time.

100% Certified - Our range of vials and closures are manufactured under strict ISO specifications guaranteeing trouble free results. All Q-Range Certified Vials are manufactured under contract in the **USA and Europe** to ensure the highest quality materials and manufacturing standards.

100% Free from Defects - Every part we supply is checked and approved for sale to ensure consistent performance. All stages of the manufacturing processes are constantly monitored to ensure that every vial, cap and septa reaches you in perfect condition.

100% Quality Manufactured - Only the highest quality glass with extremely low ion content is used in the manufacture of Q-Range vials - 33-Expansion clear glass (USP1 Type 1 borosilicate, Class A) and 51A-Expansion amber glass (USP Type 1 borosilicate, Class B).

100% Performance Guarantee - Every vial, cap and septa is manufactured to meet precise tolerances from the top of the vial to its base, from the diameter of the cap to the thickness of the septa, every aspect of the manufacturing journey is monitored to ensure the products you receive are exactly right for your application, will fit your instrument perfectly, and perform to the highest standards, saving you laboratory time, maximising productivity and avoiding instrument downtime and loss of important samples.





Q-Clean Vials - Greyhound Q-Clean Vials are one of the most popular ranges of vials in the industry. Every box of vials manufactured and packaged to this new specification is identified with the **Q-Clean** label.

Q-Clean vials are packaged in a certified cleanroom immediately after passing through the annealing oven at approx. 600°C. These extremely hygienic conditions are pharmaceutical standard clean rooms, and the manufacturing and packaging process is the latest cleanliness standard for chromatography vials.

By selecting **Q-Clean** vials for your analysis, you can be confident that the vials you are using are not just clean, but are free of micro contaminants to guarantee the highest levels of performance for your analysis.

3 CERTIFICATION LEVELS

• Standard • LC • MS

Standard Certification - The entire Q-Range of Vials and Closures are manufactured under our strict ISO specifications ensuring the quality of the products give trouble free results.

All products are guaranteed defect free to ensure peak performance

Every lot is fully traceable throughout its manufacturing process

All Q-Range Vials and Closures are packaged under clean room conditions to ensure contaminant free products. (For **Q-Clean** vials please see additional product details above)

LC Certification - Our LC Certified Vial Kits provide the assurance of using particulate free vials for sample preparation.

Certification includes testing for -

- Glass quality • Dimension accuracy • Cap/Septa specifications
- Full chemical test by HPLC and GC.

Mass Spec Certification - Our MS Certified Vial Kits provide the assurance of using particulate free vials for sample preparation.

Certification includes testing for -

- Glass quality • Dimension accuracy • Cap/Septa specifications
- GC/MS Background Test • LC/MS Background Test • Particle Counts

Our extensive range of Certified EPA/VOC and TOC Vials and Closures can be found on pages 34 to 37



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Please view the website - www.greyhoundchrom.com for -

- Additional information and alternative pack sizes.
- Vial Accessories and other chromatography products

**Special pricing is available for bulk and call-off orders,
please contact our sales team for a quotation**

ORDERING INFORMATION

Orders can be placed by -

Post, Phone, Email or Online



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Crimp Top Micro-Vials, 8mm Crimp Finish

The range of Crimp Top Micro-Vials are ideal for micro-sampling trace analysis and environmental and clinical analysis. With residual volumes as low as 3µl on some vials they are perfect when operating with very small samples.

Note: some Micro-Vials require the use of an adapter to run in the autosampler due to having a Tapered Base..



Cat. No.	Description	Dimensions (mm)	Unit
60-113207	200µL Tapered Crimp Top Micro-Vial, Clear Glass	5.5 x 31.5	100
60-113206	300µL Crimp Top Micro-Vial, Clear Glass, round bottom	5.5 x 31.5	100
60-113209	400µL Tapered Crimp Top Micro-Vial, Amber Glass	7 x 40	100
60-113200	600µL Tapered Crimp Top Micro-Vial, Clear Glass	7 x 40	100
60-113201	700µL Crimp Top Vial, Clear Glass	7 x 40	100
60-113202	700µL Crimp Top Vial, Amber Glass	7 x 40	100
60-113208	700µL Tapered Crimp Top Micro-Vial, Amber Glass	7 x 40	100
60-113203	800µL Crimp Top Vial, Clear Glass	8.2 x 30	100
60-113204	1.2ml Crimp Top Vial, Clear Glass	8.2 x 40	100
60-113205	1.2ml Crimp Top Vial, Amber Glass	8.2 x 40	100

Aluminium Crimp Caps with Septa - 8mm

These high specification Aluminium Crimp Caps are for use with vials having an 8mm crimp top neck finish.

They are available with a variety of septa materials to suit a wide range of samples and analysis conditions.



**Special pricing is available for bulk and call-off orders,
please contact our sales team for a quotation**

Cat. No.	Description	Unit
60-113228	8mm Aluminium Crimp Cap, (Silver) with PTFE Septa, 0.25mm	100
60-113221	8mm Aluminium Crimp Cap, (Silver) with Clear PTFE/Natural Rubber Septa, 1mm	100
60-113222	8mm Aluminium Crimp Cap, (Silver) with Clear PTFE/Red Rubber Septa, 1mm	100
60-113226	8mm Aluminium Crimp Cap, (Silver) with Beige PTFE/Red Rubber Septa, 1mm	100
60-113220	8mm Aluminium Crimp Cap, (Silver) with Red PTFE/White Silicone Septa, 1.3mm	100
60-113224	8mm Aluminium Crimp Cap, (Silver) with Red PTFE/White Silicone Septa, 1.3mm, Pre-Slit	100
60-113227	8mm Aluminium Crimp Cap, (Silver) with Red PTFE/ Cream Silicone Septa, 1.5mm	100
60-113223	8mm Aluminium Crimp Cap, (Silver) with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100
60-113225	8mm Aluminium Crimp Cap, (Silver) with Black Viton 1A Septa, 1.5mm	100

Standard Opening Screw Top Vials, 8-425mm Thread

Standard Opening Screw Thread Vials use an 8-425mm screw cap and Septa. They are suitable for a wide range of autosamplers including Agilent, Beckman, CTC, Gilson, Knauer, Shimadzu, Spark, Varian, VWR (Merck/Hitachi), etc which accommodate the narrow neck vials. Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-100106	2.0mL Clear Vial, Q-Clean	12 x 32	1100
60-100106-A	2.0mL Amber Vial, Q-Clean	12 x 32	100
60-100110	2.0mL Clear Vial, with White Graduated Write-on Patch, Q-Clean	12 x 32	100
60-100110-A	2.0mL Amber Vial, with White Graduated Write-on Patch Q-Clean	12 x 32	100

Micro Volume and Fused Insert Screw Top Vials, 8mm

The tapered bottom of the **Micro Volume Vials** allow for the concentration of samples into the tip by solvent evaporation. Residual volumes as low as 4µL

Standard Opening **Fused Insert Vials** consist of a standard 8-452mm vial and a clear glass limited volume insert fused together. This eliminates any movement of the insert within the vial and potential of needle damage.

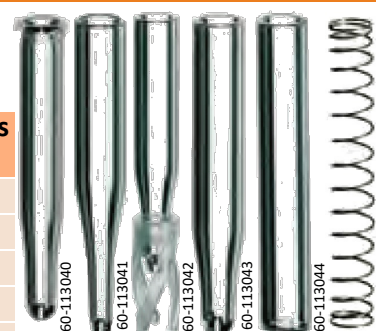


Cat. No.	Description	Dimensions (mm)	Unit
Micro Volume Vials			
60-113015	1.1mL Screw Top Vial, Tapered Bottom with flat base, Clear Glass	12 x 32	100
60-113015-A	1.1mL Screw Top Vial, Tapered Bottom with flat base, Amber Glass	12 x 32	100
60-100080	1.1mL Screw Top Vial, Tapered Bottom, Clear Glass	12 x 32	100
60-113017	1.1mL Screw Top Vial, High Recovery, Clear Glass, Q-Clean	12 x 32	100
60-113017-A	1.1mL Screw Top Vial, High Recovery, Amber Glass, Q-Clean	12 x 32	100
Fused Insert Vials			
60-100019	100µL Screw Top Fused Insert Vial, Clear Glass	12 x 32	100
60-100019-A	100µL Screw Top Fused Insert Vial, Amber Glass	12 x 32	100
60-100021	100µL Screw Top Fused Insert Vial, Clear Glass with Write-on Patch	12 x 32	100
60-100021-A	100µL Screw Top Fused Insert Vial, Amber Glass with Write-on Patch	12 x 32	100

Limited Volume Inserts for Screw Top Vials, 8mm

Glass Inserts are available for stand alone use and some for use in combination with a spring. Springs act as a shock absorber, protecting the vial against breakage in case the needle should 'bottom out' in the vial.

Cat. No.	Description	Dimensions (mm)
60-113040	50µL Tapered Glass Insert, Clear Glass (Requires Spring 60-113045)	4 x 27.5
60-113041	150µL Tapered Glass Insert - Clear Glass	5 x 31
60-113042	150µL Tapered Glass Insert with plastic spring, Clear Glass	5 x 29
60-113043	200µL Tapered Glass Insert - Clear Glass	5 x 31
60-113044	200µL Glass Insert - Flat Base, Clear Glass	5 x 31
60-113045	Metal Spring for Tapered Glass Insert 60-113040	



(Supplied in packs of 100)

Limited Volume Screw Top Polypropylene Vials, 8mm

Polypropylene vials are economical alternatives to glass. They are lightweight and have a good resistance to chemicals.

These Limited Volume vials enable maximum retrieval of the sample.



Cat. No.	Description	Dimensions (mm)	Unit
60-100002	100µL Screw Top Polypropylene Limited Volume Vial	12 x 32	100
60-100003	100µL Screw Top Clear Polypropylene Limited Volume Vial	12 x 32	100
60-100004	100µL Screw Top TPX Limited Volume Vial	12 x 32	100
60-100083	1.5mL Screw Top Polypropylene Vial	12 x 32	100

Screw Caps, Open Top, 8mm

Polypropylene screw caps are designed for use with all autosamplers and accept a range of Septa available separately. Standard autosamplers use caps with straight sides.



Cat. No.	Description	Unit
Standard Autosamplers		
60-100832	8-425mm Open Top Screw Cap, Black Polypropylene, Flangeless for standard autosamplers	100
60-100832-W	8-425mm Open Top Screw Cap, White Polypropylene, Flangeless for standard autosamplers	100
Older Shimadzu Autosamplers		
60-100825	8-425mm Open Top Screw Cap, Black Polypropylene with Flange for Shimadzu	100
60-100825-W	8-425mm Open Top Screw Cap, White Polypropylene with Flange for Shimadzu	100

Septa for Screw Caps, 8mm

Septa for 8-425mm screw caps are supplied in a range of materials.

Other materials are available on request.



Cat. No.	Description	Unit
60-101200	White PTFE 8mm x 0.20mm	100
60-110760	Clear PTFE/Natural Rubber, 8mm x 1mm	100
60-101209	PTFE/Red Rubber 8mm x 1mm	100
60-101242	Red PTFE/White Silicone 8mm x 1.3mm	100
60-101218	Red PTFE/White Silicone/Red PTFE 8mm x 1mm	100
60-110761	Blue PTFE/White Silicone, 8mm x 0.9mm, Pre-Slit, (for Merck Hitachi)	100
60-110762	Blue PTFE/White Silicone, 8mm x 0.9mm	100
60-101206	Black Viton, 8mm x 1mm	100

Screw Caps with Septa - Pre-assembled, 8mm

Designed to fit all instruments using standard 12 x 32mm autosamplers.

Standard caps fit all autosamplers.

Flanged caps have a wider collar and are designed to fit older Shimadzu autosamplers.



Cat. No.	Description	Unit
Standard Screw Caps (for all autosamplers)		
60-101321	8-425mm Open Top Screw Cap, Black Polypropylene with PTFE/Red Rubber Septa, 1mm	100
60-101353	8-425mm Open Top Screw Cap, Black Polypropylene with Red PTFE/Silicone Septa, 1.3mm	100
60-101325	8-425mm Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100
60-101344	8-425mm Open Top Screw Cap, Black Polypropylene, Red PTFE/White Silicone Septa, 1.3mm, Pre-Slit	100
Flanged Screw Caps (for older Shimadzu autosamplers)		
60-101320	8-425mm Flanged Open Top Screw Cap, Black Polypropylene with PTFE/Red Rubber Septa, 1mm	100
60-101351	8-425mm Flanged Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone Septa, 1.3mm	100
60-101324	8-425mm Flanged Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100
60-101343	8-425mm Flanged Open Top Screw Cap, Black Polypropylene, Red PTFE/White Silicone Septa, 1.3mm, Pre-Slit	100

Vial Kits - Screw Top, 8mm

Vial Kits consist of selected vials and pre-assembled caps and Septa which are packaged in an easily accessible tray.

The kits are ideal for storing in a bench drawer and keep the components visible and particle free



Cat. No.	Description	Dimensions (mm)	Unit
Standard Caps			
60-101460	Vial Kit P/Nos. 60-100106 and 60-101353 2.0mL Vial, Screw Top, Clear Glass + 8-425mm Standard Black Open Top Polypropylene Cap with Red PTFE/Silicone Septa, 1.3mm, Q-Clean	12 x 32	100
60-101460-A	Vial Kit P/Nos. 60-100106-A and 60-101353 2.0mL Vial, Screw Top, Amber Glass + 8-425mm Standard Black Open Top Polypropylene Cap with Red PTFE/Silicone Septa, 1.3mm, Q-Clean	12 x 32	100
Flanged Caps			
60-101458	Vial Kit P/Nos. 60-100106 and 60-101351 2.0mL Vial, Screw Top, Clear Glass + 8-425mm Flanged Black Open Top Polypropylene Cap with Red PTFE/Silicone Septa, 1.3mm, Q-Clean	12 x 32	100
60-101458-A	Vial Kit P/Nos. 60-100106-A and 60-101351 2.0mL Vial, Screw Top, Amber Glass + 8-425mm Flanged Black Open Top Polypropylene Cap with Red PTFE/Silicone Septa, 1.3mm, Q-Clean	12 x 32	100

Wide Mouth Screw Top Vials, 9mm Thread

Wide Mouth Short Thread Vials have the same cap height as crimp cap vials and are designed to work with robotic arm autosamplers (Agilent, CTC, Perkin Elmer, Thermo Scientific and Waters) but have the advantages of being screw thread.

Manufactured of Type 1 borosilicate glass



Cat. No.	Description	Dimensions (mm)	Unit
60-100116	2.0mL Wide Mouth Short Thread Vial, Clear Glass, Q-Clean	12 x 32	100
60-100116-A	2.0mL Wide Mouth Short Thread Vial, Amber Glass, Q-Clean	12 x 32	100
60-100120	2.0mL Wide Mouth Short Thread Vial, Clear Glass with Graduated Write-on Patch, Q-Clean	12 x 32	100
60-100120-A	2.0mL Wide Mouth Short Thread Vial, Amber Glass with Graduated Write-on Patch, Q-Clean	12 x 32	100

Wide Mouth Micro Volume Screw Top Vials, 9mm

The tapered bottom of the vials allow for the concentration of samples into the tip by solvent evaporation.

Manufactured from clear Type 1 borosilicate glass.

Residual volumes as low as 1µL (60-113019)



Cat. No.	Description	Dimensions (mm)	Unit
60-113019	0.9mL Screw Top Wide Mouth Centre Draining Vial, Clear Glass	12 x 32	100
60-113022	1.1mL Screw Top Wide Mouth Vial, Tapered Bottom with flat base, Clear Glass	12 x 32	100
60-113022-A	1.1mL Screw Top Wide Mouth Vial, Tapered Bottom with flat base, Amber Glass	12 x 32	100
60-113020	1.1mL Screw Top Wide Mouth High Recovery Vial, Clear Glass, Q-Clean	12 x 32	100
60-113020-A	1.1mL Screw Top Wide Mouth High Recovery Vial, Amber Glass	12 x 32	100

Wide Mouth Fused Insert Screw Top Vials, 9mm

Fused Insert Vials consist of a standard Wide Mouth Screw Top Vial and a clear glass limited volume insert fused together.

This eliminates any movement of the insert within the vial and potential needle damage.

Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-100026	200µL Wide Mouth Fused Insert Vial - Clear Glass, with Write-on Patch	12 x 32	100
60-100026-A	200µL Wide Mouth Fused Insert Vial - Amber Glass, with Write-on Patch	12 x 32	100
60-100027	300µL Wide Mouth Fused Insert Vial - Clear Glass	12 x 32	100
60-100027-A	300µL Wide Mouth Fused Insert Vial - Amber Glass	12 x 32	100

Wide Mouth Polypropylene Screw Top Vials, 9mm

Polypropylene vials are lightweight, have good chemical resistance and are an economical alternative to glass vials.

The Limited Volume Vials enable maximum retrieval of the sample.



Cat. No.	Description	Dimensions (mm)	Unit
60-100007	300µL Wide Mouth Short Thread Screw Top Polypropylene Vial	12 x 32	100
60-100007-A	300µL Wide Mouth Short Thread Screw Top Polypropylene Vial, Amber	12 x 32	100
60-100053	500µL Wide Mouth Short Thread Screw Top Polypropylene Vial	12 x 32	100
60-100053-A	500µL Wide Mouth Short Thread Screw Top Polypropylene Vial, Amber	12 x 32	100
60-100068	750µL Wide Mouth Short Thread Screw Top Polypropylene Vial	12 x 32	100
60-100087	1.5mL Wide Mouth Short Thread Screw Top Polypropylene Vial	12 x 32	100
60-100087-A	1.5mL Wide Mouth Short Thread Screw Top Polypropylene Vial, Amber	12 x 32	100

Limited Volume Inserts for Screw Top Vials, 9mm

Inserts are available in Glass or Polypropylene. Some are supplied pre-assembled with a polymer bottom spring which acts as a shock absorber protecting the vial against breakage in case the needle should 'bottom out' in the vial.

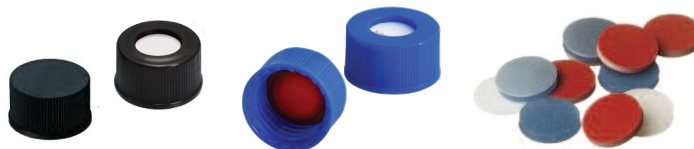
* Also available silanized, please add (-Z) to part number



Cat. No.	Description	Dimensions (mm)	Unit
60-113050	200µL Tapered Glass Insert, Clear Glass *	6 x 31	100
60-113051	200µL Tapered Glass Insert - Clear Glass	6 x 31	100
60-113052	400µL Glass Insert - Flat bottom, Clear Glass	6 x 31	100
60-113053	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass *	5.7 x 29	100
60-113056	250µL Polypropylene Insert with plastic bottom spring, Clear	6 x 29	100

Caps and Septa for Wide Mouth Screw Top Vials, 9mm

A range of Screw Caps and Septa are available to fit 9mm Screw Top Vials



Cat. No.	Description	Unit
Screw Caps		
60-100846	9mm Open Top Screw Cap, Black Polypropylene *	100
60-100879	9mm Solid Top Screw Cap, Black Polypropylene, Unlined	100
Septa		
60-101201	White PTFE Septa, 9mm x 0.20mm	100
60-101211	PTFE/Red Rubber Septa, 9mm x 1mm	100
60-101217	Red PTFE/White Silicone Septa, 9mm x 1mm	100
60-101219	Red PTFE/White Silicone/Red PTFE Septa, 9mm x 1mm	100
60-101222	Blue PTFE/White Silicone Septa, Pre-Slit, 9mm x 1mm	100

* Caps are also available in (-B) Blue, (-G) Green, (-R) Red and (-Y) Yellow - please state alternative colour required

Screw Thread Caps with Septa - Pre-assembled, 9mm

Pre-assembled screw caps with ribbed outer sides are available with the most popular Septa pre-fitted.

Caps with Bonded Septa are joined at the molecular level to form an inseparable unit. They are comparable to Waters® LECTRABOND and Agilent INTERSEAL closures.

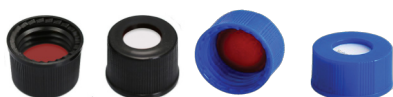
PolyMag Screw Caps are polypropylene caps with a built in steel overlay for use with magnetic sample transport systems.

Magnetic Screw Caps are polypropylene caps with a gold colour metal cap overlay similar to an 11mm Crimp Cap finish.



Cat. No.	Description	Unit
Open Top Screw Caps with Pre-fitted Septa		
60-101036	9mm Open Top Screw Cap, Black with White PTFE Septa, 0.2mm *	100
60-101041	9mm Open Top Screw Cap, Black with PTFE/Red Natural Rubber Septa *	100
60-101048	9mm Open Top Screw Cap, Black with Red PTFE/White Silicone Septa *	100
60-101040	9mm Open Top Screw Cap, Black with Beige PTFE/Red Rubber Septa *	100
60-101068	9mm Open Top Screw Cap, Black with Red PTFE/White Silicone/Red PTFE Septa *	100
60-101076	9mm Open Top Screw Cap, Black with Blue PTFE/White Silicone Septa, Pre-Slit *	100
60-101035-B	9mm Open Top Screw Cap, Blue with 1mm thick Polyimide/White Silicone Septa for PFAS Testing	100

* Caps are also available in (-B) Blue, (-G) Green, (-N) Natural, (-R) Red and (-Y) Yellow - please state alternative colour required



Cat. No.	Description	Unit
Open Top Screw Caps - with Bonded Septa		
60-101058	9mm Open Top Screw Cap, Black with Bonded PTFE/Silicone Septa *	100
60-101085	9mm Open Top Screw Cap, Black with Bonded White PTFE/Beige Silicone Septa, Pre-Slit *	100

* Caps are also available in (-B) Blue, (-G) Green, (-N) Natural, (-R) Red and (-Y) Yellow - please state alternative colour required



Cat. No.	Description	Unit
Magnetic Open Top Screw Caps with Pre-fitted Septa		
60-100840-B	9mm Magnetic Open Top Screw Cap, Blue with Gold Cover and Red PTFE/White Silicone Septa, 1mm	100
60-100841-B	9mm Magnetic Open Top Screw Cap, Blue, with Gold Cover and Blue PTFE/White Silicone Septa, 1mm, Pre-Slit	100
60-100842-B	9mm Magnetic Open Top Screw Cap, Blue, with Gold Cover and PTFE/Natural Rubber Septa, 1mm	100
60-100966-B	9mm PolyMag Screw Cap, Blue with Bonded Red PTFE/White Silicone Septa 1mm	100
60-100967-B	9mm PolyMag Screw Cap, Blue with Bonded Red PTFE/White Silicone Septa 1mm, Pre-Slit	100



Cat. No.	Description	Unit
Solid Top Screw Caps - with Pre-fitted Septa		
60-100895-B	9mm Solid Top Screw Cap, Blue Polypropylene with PTFE Septa, 0.2mm	100
60-100839-B	9mm Solid Top Screw Cap, Blue Polypropylene with PTFE/Natural Rubber Septa, 1mm	100
60-100843-B	9mm Solid Top Screw Cap, Blue Polypropylene with Red PTFE/White Silicone Septa, 1mm	100

Vial Kits - Wide Mouth Screw Top Vials, 9mm

Vial Kits consist of selected vials with pre-assembled caps and Septa which are packaged in an easily accessible tray.

The vials are part of our Q-Clean range

Kits consist of:
2ml Wide Mouth, Clear or Amber Vials with Write on Patch plus a choice of caps with pre-fitted septa.

Please select the kit which meets your individual requirements.



Instrument Suitability	Vial Glass	Cap Colour	Cap Septa	Vial Cat. No.	Cap Cat. No.	Unit	Kit Cat. No.
Agilent LC	Clear	Blue	PTFE/Red Natural Rubber	60-100120	60-101041-B	100	60-101468
General	Clear	Blue	Beige PTFE/Red Rubber Septa	60-100120	60-101040-B	100	60-101463
General	Clear	Blue	PTFE	60-100120	60-101036-B	100	60-101465
General	Amber	Blue	PTFE	60-100120-A	60-101036-B	100	60-101466
General	Amber	Blue	PTFE/Red Natural Rubber	60-100120-A	60-101041-B	100	60-101469
General	Clear	Blue	Red PTFE/White Silicone	60-100120	60-101048-B	100	60-101470
General	Amber	Blue	Red PTFE/White Silicone	60-100120-A	60-101048-B	100	60-101473
General	Clear	Blue	Red PTFE/White Silicone/Red PTFE	60-100120	60-101068-B	100	60-101475
General	Clear	Blue	White PTFE/Beige Silicone, Bonded , Pre-slit	60-100120	60-101085-B	100	60-101476
General	Amber	Blue	White PTFE/Beige Silicone, Bonded , Pre-slit	60-100120-A	60-101085-B	100	60-101477
PerkinElmer LC	Clear	Blue	Blue PTFE/White Silicone, Pre-slit	60-100120	60-101076-B	100	60-101464
Thermo GC	Clear	Blue	Red PTFE/White Silicone	60-100120	60-101048-B	100	60-101470
Varian GC and LC	Clear	Blue	Red PTFE/White Silicone	60-100120	60-101048-B	100	60-101470
Waters Alliance LC	Clear	Blue	Red PTFE/White Silicone	60-100120	60-101048-B	100	60-101470
Waters Alliance LC	Clear	Blue	Red PTFE/White Silicone, Bonded	60-100120	60-101085-B	100	60-101474

Alternative Vial Kits can be combined to your exact specifications, please enquire.

**Special pricing is available for bulk and call-off orders,
 please contact our sales team for a quotation**

LC Certified Screw Top Vial Kits (with Certificate of Conformance), 9mm

Certified Vial Kits for LC provide the assurance of using particulate free vials for sample preparation. These vials are fully tested and meet the very high standards expected by our clients.

Vial, Kits are shipped in re-closable containers and each kit includes -

- 100 Certified 2mL Screw Thread Vials
- 100 Blue Open Top 9mm Screw Caps with **bonded** septa
- Certificate of Conformance



LC Certified Vial Test Parameters include

- **Glass** - Type 1, Class A, 33 Expansion Clear or 51A Amber Borosilicate
- **Dimensions** - Height, Diameter, Bottom Thickness, Neck Length, Thread Profile, Annealing
- **Cap/Septa** - Diameter, Height, Thread Integrity, Centre Flash, Septa Insertion
- **Chemical Test** - HPLC Test - Non-volatile residue, GC Test - Volatile Residue

Cat. No.	Description	Dimensions (mm)	Unit
60-100325	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100326	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100327	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100328	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100329	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100330	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100331	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100332	LC Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100

Mass Spec Certified Screw Top Vial Kits (with Certificate of Conformance), 9mm

Certified Vial Kits for Mass Spec provide the assurance of using particulate free vials for sample preparation. These vials are fully tested and meet the very high standards expected by our clients.

Vial Kits are shipped in re-closable containers and each kit includes -

- 100 Certified 2mL Screw Thread Vials
- 100 Blue Open Top 9mm Screw Caps with **bonded** septa
- Certificate of Conformance

Mass Spec Certified Vial Test Parameters include

- **Glass** - Type 1, Class A, 33 Expansion Clear or 51A Amber Borosilicate
- **Dimensions** - Height, Diameter, Bottom Thickness, Neck Length, Thread Profile, Annealing
- **Cap/Septa** - Diameter, Height, Thread Integrity, Centre Flash, Septa Insertion
- **GC/MS** Background Test
- **LC/MS** Background Test
- **Particle Counts** - Particle Size, Particle/mL/Vial



Cat. No.	Description	Dimensions (mm)	Unit
60-100350	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100351	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100352	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100353	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Septa	12 x 32	100
60-100354	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100355	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100356	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Clear Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100
60-100357	MS Certified 2mL Wide Neck Screw Top Vial, Short Thread, Amber Glass with Graduated Write-on Patch + 9mm Blue Open Top Polypropylene Screw Cap with Bonded PTFE/Silicone Slit Septa	12 x 32	100

PFAS Analysis Wide Mouth Screw Top Vial Kits, 9mm

Because Perfluoroalkyl and Polyfluoroalkyl substances do not decompose, they can accumulate over time in the environment and the human body.

There is increasing evidence that exposure to PFAS can adversely affect human health. As a result, regulatory bodies are legislating that many materials should be tested to ensure that they do not contain traces of PFAS or that the traces are below permitted legal limits.

Because PFAS are widely used in materials such as PTFE, which are commonly used in chemical analysis consumables, laboratories need new labware products to minimize background contamination from these chemicals.

9mm Screw Thread Ribbed Caps, lined with 1mm thick Polyimide/Silicone

When you are unable to use PTFE as a Septa, these are the perfect alternative. The usable temperature range of this new cap is up to 130°C, and is suitable for up to 10 injections.

Polyimide is amber-coloured translucent and the white silicone rubber is a high-purity rubber composition, which reduces leaching.

Polypropylene Wide Neck Screw Top Vials are the only vials you should use for your PFAS analyses

Manufactured from chemical resistant polypropylene, it is ideal for “PFAS-free” sampling, testing, storage and transportation operations. These lightweight vials are an excellent economical alternative to glass and are designed to work with most autosamplers.

Vial measurements are 12mm x 32mm

Vial Kits for PFAS Testing

The new convenience kits for PFAS testing includes 100 Wide Neck, Screw Top Polypropylene vials and 100 new PFAS caps/septa, packaged in a transparent tray which fits in a bench drawer for easy access.

PFAS Testing



Cat. No.	Description	Dimensions (mm)	Unit
60-101498	Vial Kit P/Nos. 60-100007 and 60-101035-B 100-300µL Polypropylene Vial, Screw Top, Short Thread + 9mm Blue Open Top Cap with 1mm thick Polyimide/Silicone Septa for PFAS Testing	12 x 32	100
60-101499	Vial Kit - P/N 60-100053 and 60-101035-B 500µL Polypropylene Vial, Screw Top, Short Thread + 9mm Blue Open Top Cap with 1mm thick Polyimide/Silicone Septa for PFAS Testing	12 x 32	100
60-101500	Vial Kit - P/N 60-100068 and 60-101035-B 750µL Polypropylene Vial, Screw Top, Short Thread + 9mm Blue Open Top Cap with 1mm thick Polyimide/Silicone Septa for PFAS Testing	12 x 32	100
60-101501	Vial Kit - P/N 60-100087 and 60-101035-B 1.5mL Polypropylene Vial, Screw Top, Short Thread + 9mm Blue Open Top Cap with 1mm thick Polyimide/Silicone Septa for PFAS Testing	12 x 32	100

Caps and vials are available separately - see pages 10 -11

Wide Mouth Screw Top Vials, 10-425mm Thread

With a 40% larger opening than standard vials, these 10-425mm neck finish vials provide the largest target area of any vial.

Available in clear or amber Type 1 borosilicate glass.

The design of the vial precisely centres a limited volume insert in the vial neck.

Wide opening permits easier filling

Compatible with Jasco, PerkinElmer, Shimadzu, Varian, Waters®



Cat. No.	Description	Dimensions (mm)	Units
60-100127	2.0mL Wide Mouth Vial, Clear Glass, Q-Clean	12 x 32	100
60-100131	2.0mL Wide Mouth Vial, Clear Glass with Graduated Write-on Patch, Q-Clean	12 x 32	100
60-100131-A	2.0mL Wide Mouth Vial, Amber Glass with Graduated Write-on Patch, Q-Clean	12 x 32	100

Wide Mouth Micro Volume Screw Top Vials, 10mm

Wide Mouth Micro Volume Vials are all standard 12 x 32mm size but with shaped interiors which limit the vial volume.

These vials have a unique draining design which facilitates high sample recovery. Residual volumes as low as 15µL.

Available in clear or amber glass (for light sensitive applications)

Manufactured from Type 1 borosilicate glass.

Compatible with Jasco, PerkinElmer, Shimadzu, Varian, Waters®



Cat. No.	Description	Dimensions (mm)	Unit
60-113025	1.1mL Screw Top Wide Mouth Vial, Tapered Bottom with flat base, Clear Glass	12 x 32	100
60-113025-A	1.1mL Screw Top Wide Mouth Vial, Tapered Bottom with flat base, Amber Glass	12 x 32	100
60-113027	1.1mL Screw Top High Recovery Vial, Clear Glass, Q-Clean	12 x 32	100
60-113027-A	1.1mL Screw Top High Recovery Vial, Amber Glass, Q-Clean	12 x 32	100

Wide Mouth Fused Insert Screw Top Vials, 10mm

10mm Wide Neck Screw Thread Vials and a clear glass limited volume insert fused together.

This eliminates any movement of the insert within the vial, the potential of needle damage and the potential of contamination in the area between the vial and the insert around the neck of the vial.

Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Units
60-100033	300µL Fused Insert Vial, Clear Glass, with Write-on Patch	12 x 32	100
60-100033-A	300µL Fused Insert Vial, Amber Glass, with Write-on Patch	12 x 32	100

Limited Volume Inserts for Wide Mouth Screw Top Vials, 10mm

Inserts are available in Glass or Polypropylene. Some are supplied pre-assembled with a polymer bottom spring which acts as a shock absorber protecting the vial against breakage in case the needle should 'bottom out' in the vial.

Residual Volumes as low as 4µL



Cat. No.	Description	Dimensions (mm)	Unit
60-113050	200µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113050-Z	200µL Tapered Glass Insert, Clear Glass, Silanized	6 x 31	100
60-113051	250µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113052	400µL Glass Insert - Flat bottom, Clear Glass	6 x 31	100
60-113053	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass	5.7 x 29	100
60-113053-Z	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass, Silanized	5.7 x 29	100
60-113056	250µL Polypropylene Insert with plastic spring, Clear	6 x 29	100

Screw Thread Caps with Septa - Pre-assembled, 10mm

Pre-assembled open top screw caps with ribbed outer sides are available with the most popular septa pre-fitted or **bonded** in.



Cat. No.	Description	Unit
60-101322	10-425mm Screw Cap, Open Top, Black Polypropylene with PTFE/Natural Rubber Septa, 1.3mm	100
60-101326	10-425mm Screw Cap, Open Top, Black Polypropylene with Red PTFE/White Silicone/Red PTFE Septa, 1.3mm	100
60-101335	10-425mm Screw Cap, Open Top, Black Polypropylene with Red PTFE/White Silicone Septa, 1.3mm	100
60-101370	10-425mm Screw Cap, Open Top, Black PP with Bonded Red PTFE/White Silicone Septa, 1.3mm	100
60-101371	10-425mm Screw Cap, Open Top, Black PP with Bonded Red PTFE/White Silicone Septa, 1.3mm, Pre-Slit	100

Screw Thread Caps, 10mm

Polypropylene open top screw caps for 10-425mm thread vials. Use with a range of Septa available



Cat. No.	Description	Unit
60-100854	10-425mm Open Top Cap, Black Polypropylene *	10 x 100
60-100884	10-425mm Solid Top Cap, Black Polypropylene, Unlined	10 x 100

* Caps are also available in (-B) Blue, (-G) Green, (-R) Red, (-W) White and (-Y) Yellow - please state alternative colour required

Septa for Screw Thread Caps, 10mm

Septa for 10-425mm Screw Caps are available in a range of materials to suit your particular application



Cat. No.	Description	Unit
60-101202	White PTFE Septa, 10mm x 0.20mm	10 x 100
60-101213	PTFE/Natural Rubber Septa, 10mm x 1mm	10 x 100
60-110750	Red PTFE/White Silicone Septa, 10mm x 1.3mm	10 x 100
60-101220	Red PTFE/White Silicone/Red PTFE Septa, 10mm x 1mm	10 x 100
60-110751	Blue PTFE/White Silicone Septa, Pre-Slit, 10mm x 1.5mm	10 x 100

ONE MILLION PRODUCTS ONE SINGLE SUPPLIER



**THE LEADING SOURCE OF CHROMATOGRAPHY CONSUMABLES
AND CERTIFIED REFERENCE STANDARDS**

Wide Mouth Crimp Top Vials, 11mm Crimp Finish

Wide Mouth Vials have a 40% larger opening than standard vials making them the first choice for reliability and preventing damaged needles due to their much larger available injection area.

Precision neck improves crimping quality.

Manufactured from Type 1 borosilicate glass, these vials are suitable for Agilent®, Thermo Scientific® and Waters® instruments using 12 x 32mm vials.



Cat. No.	Description	Dimensions (mm)	Unit
60-100139	2mL Crimp Top Wide Mouth Vial, Clear Glass, Q-Clean	12 x 32	100
60-100139-Z	2mL Crimp Top Wide Mouth Vial, Clear Glass - Silanised	12 x 32	100
60-100143	2mL Crimp Top Wide Mouth Vial, Clear Glass with Graduated Write-on Patch ,	12 x 32	100
60-100143-A	2mL Crimp Top Wide Mouth Vial, Amber Glass with Graduated Write-on Patch ,	12 x 32	100

Wide Mouth Micro Volume Crimp Top Vials, 11mm Crimp Finish

Wide Mouth Micro Volume Vials are all standard 12 x 32mm size but with shaped interiors which limit the vial volume.

These vials have a unique draining design which facilitates high sample recovery.

Residual volumes as low as 4µL

Available in clear or amber glass (for light sensitive applications)

Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-113002	0.9mL Crimp Top Wide Mouth Vial with Tapered Bottom, Clear Glass	12 x 32	100
60-113000	1.1mL Crimp Top Wide Mouth Vial, High Recovery with Flat Base, Clear Glass, Q-Clean	12 x 32	100
60-113000-Z	1.1mL Crimp Top Wide Mouth Vial, High Recovery with Flat Base, Clear Glass, Silanized	12 x 32	100
60-113000-A	1.1mL Crimp Top Wide Mouth Vial, Tapered Bottom with Flat Base, Amber Glass	12 x 32	100
60-113003	1.1mL Crimp Top Wide Mouth Vial with Tapered Bottom, Clear Glass	12 x 32	100
60-113004	1.1mL Crimp Top Wide Mouth Vial, Tapered Bottom with Flat Base, Clear Glass	12 x 32	100
60-113004-A	1.1mL Crimp Top Wide Mouth Vial, Tapered Bottom with Flat Base, Amber Glass	12 x 32	100

**Special pricing is available for bulk and call-off orders,
please contact our sales team for a quotation**

Wide Mouth Fused Insert Crimp Top Vials, 11mm Crimp Finish

Wide Mouth Fused Insert Vials consist of a standard Wide Mouth Vial and a clear glass limited volume insert fused together.

This eliminates any movement of the insert within the vial, needle damage and the potential of contamination in the area between the vial and the insert around the neck of the vial.

Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-100039	300µL Crimp Top Fused Insert Vial - Clear Glass	12 x 32	100
60-100039-Z	300µL Crimp Top Fused Insert Vial - Clear Glass, Silanized	12 x 32	100
60-100039-A	300µL Crimp Top Fused Insert Vial - Amber Glass	12 x 32	100
60-100042	300µL Crimp Top Fused Insert Vial - Clear Glass with Write-on Patch	12 x 32	100
60-100042-A	300µL Crimp Top Fused Insert Vial - Amber Glass with Write-on Patch	12 x 32	100

Limited Volume Inserts for Wide Mouth Crimp Top Vials, 11mm Crimp Finish

Inserts are available in Glass or Polypropylene. Some are supplied pre-assembled with a polymer bottom spring which acts as a shock absorber protecting the vial against breakage in case the needle should 'bottom out' in the vial.

Residual Volumes as low as 4µL



Cat. No.	Description	Dimensions (mm)	Unit
60-113050	200µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113050-Z	200µL Tapered Glass Insert, Clear Glass, Silanized	6 x 31	100
60-113051	250µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113052	400µL Glass Insert - Flat bottom, Clear Glass	6 x 31	100
60-113053	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass	5.7 x 29	100
60-113053-Z	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass, Silanized	5.7 x 29	100
60-113056	250µL Polypropylene Insert with plastic bottom spring, Clear	6 x 29	100

Aluminium Crimp Caps with Septa, 11mm

These high specification Aluminium Crimp Caps are for use with vials having an 11mm wide neck crimp top finish.

They are available with a variety of Septa materials to suit a wide range of samples and in various colours to aid sample identification.



Cat. No.	Description	Unit
60-100647	11mm Aluminium Crimp Cap (Silver) with PTFE/Red Rubber Septa, 1mm *	100
60-100676	11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone Septa, 1.3mm *	100
60-100713	11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone Septa, Pre-Slit, 1mm	100
60-100659	11mm Aluminium Crimp Cap (Silver) with Grey PTFE/Cream Butyl Rubber Septa, 1.3mm	100
60-100705	11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100
60-100715	11mm Aluminium Crimp Cap (Silver) with Black Viton Liner, 1.5mm	100

* Caps are also available in (-B) Blue, (-G) Green (-R) Red and (-Y) Gold - please state alternative colour required

Magnetic Crimp Caps with Septa, 11mm

Magnetic Crimp Caps are for use with instruments e.g. CTC Analytics PAL, which transport the vials using magnets.



Cat. No.	Description	Unit
60-100656	11mm Magnetic Crimp Cap (Silver) with Clear PTFE/Red Rubber Septa, 1mm	100
60-100681	11mm Magnetic Crimp Cap (Silver) with Clear PTFE/Red Silicone Septa, 1.3mm	100
60-100710	11mm Magnetic Crimp Cap (Silver) with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100

Aluminium Crimp Caps with Ultra Low Bleed Septa for LC/MS, 11mm

These Aluminium Crimp Caps are supplied with an Ultra Low Bleed LC/MS Septa. These are ideal for highly sensitive applications e.g. Mass-Spec or where multiple injections are required.

These special seals eliminate particulates with no interfering peaks.



Cat. No.	Description	Unit
60-100682	11mm Aluminium Crimp Cap (Silver) with Clear PTFE/Blue Silicone ULB Septa, 1mm	100
60-100682-B	11mm Aluminium Crimp Cap (Blue) with Clear PTFE/Blue Silicone ULB Septa, 1mm	100
60-100682-G	11mm Aluminium Crimp Cap (Green) with Clear PTFE/Blue Silicone ULB Septa, 1mm	100
60-100682-R	11mm Aluminium Crimp Cap (Red) with Clear PTFE/Blue Silicone ULB Septa, 1mm	100
60-100682-Y	11mm Aluminium Crimp Cap (Gold) with Clear PTFE/Blue Silicone ULB Septa, 1mm	100

Wide Mouth Crimp Top Vial Kits, 11mm Crimp Finish

Vial Kits consist of selected vials and pre-assembled caps and Septa which are packaged in an easily accessible tray.

The kits are ideal for storing in a bench drawer and keep the components visible and particle free



Cat. No.	Description	Unit
60-101519	Vial Kit P/N: 60-100143 + 60-100647 2mL Wide Neck Vial, Crimp Top, Clear Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with PTFE/Red Rubber Septa, Q-Clean	100
60-101519-A	Vial Kit P/N: 60-100143-A + 60-100647 2mL Wide Neck Vial, Crimp Top, Amber Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with PTFE/Red Rubber Septa, Q-Clean	100
60-101522	Vial Kit P/N: 60-100143 + 60-100676 2mL Wide Neck Vial, Crimp Top, Clear Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone Septa, Q-Clean	100
60-101522-A	Vial Kit P/N: 60-100143-A + 60-100676 2mL Wide Neck Vial, Crimp Top, Amber Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone Septa, Q-Clean	100
60-101524	Vial Kit P/N: 60-100143 + 60-100705 2mL Wide Neck Vial, Crimp Top, Clear Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone/Red PTFE Septa, Q-Clean	100
60-101524-A	Vial Kit P/N: 60-100143-A + 60-100705 2mL Wide Neck Vial, Crimp Top, Amber Glass with Write-on Graduation Patch + 11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone/Red PTFE Septa, Q-Clean	100

Wide Mouth Crimp / Snap Top Vials, 11mm Crimp Finish

With a 40% wider opening than standard vials, the Crimp/Snap Top finish of these vials enables a choice of closure - **either 11mm Crimp Caps or 11mm Snap Caps**.

Snap Caps eliminate the requirement to crimp or de-cap vials, saving time and effort. Snap Caps cannot be pressurised

Manufactured from Type 1 borosilicate glass, these vials are suitable for Agilent CTC, DANI, Dionex, Jasco, Merck/Hitachi, Shimadzu, Spark, Thermo, Varian, and Waters autosampler models using 12 x 32mm vials.



Cat. No.	Description	Dimensions (mm)	Unit
60-100147	2mL Crimp/Snap Top Wide Mouth Vial, Clear Glass, Q-Clean	12 x 32	100
60-100149	2mL Crimp/Snap Top Wide Mouth Vial, Clear Glass with Grad. Write-on Patch, Q-Clean	12 x 32	100
60-100149-A	2mL Crimp/Snap Top Wide Mouth Vial, Amber Glass with Grad. Write-on Patch, Q-Clean	12 x 32	100

Wide Mouth Crimp / Snap Top Micro Volume Vials, 11mm Crimp Finish

Wide Mouth Micro Volume Vials are all standard 12 x 32mm size but with shaped interiors which limit the vial volume.

These vials have a unique draining design which facilitates high sample recovery.

Residual volume as low as 1µL

Available in clear or amber glass (for light sensitive applications)

Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-113012	0.9mL Crimp/Snap Top Wide Mouth Vial, Clear Glass, Q-Clean	12 x 32	100
60-113012-A	0.9mL Crimp/Snap Top Wide Mouth Vial, Amber Glass, Q-Clean	12 x 32	100
60-113014	0.9mL Crimp/Snap Top Wide Mouth Centre Draining Vial, Clear Glass	12 x 32	100
60-113010	1.1mL Crimp/Snap Top Wide Mouth Vial, Tapered Bottom with flat base, Clear Glass	12 x 32	100
60-113010-A	1.1mL Crimp/Snap Top Wide Mouth Vial, Tapered Bottom with flat base, Amber	12 x 32	100

Wide Mouth Crimp / Snap Top Fused Insert Vials, 11mm Crimp Finish

With a 40% wider opening than standard vials, these Crimp / Snap Top Fused Insert Vials consist of a Wide Mouth Crimp / Snap Top Vial and a clear glass limited volume insert fused together.

This eliminates any movement of the insert within the vial and any needle damage. The Crimp / Snap Top finish enables a choice of closure - either 11mm Crimp Caps or Snap Caps.

Snap Caps cannot be pressurised. Manufactured from Type 1 borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-100044	300µL Crimp/Snap Top Fused Insert Vial, Clear Glass, Q-Clean	12 x 32	100
60-100044-A	300µL Crimp/Snap Top Fused Insert Vial, Amber Glass, Q-Clean	12 x 32	100

Wide Mouth Crimp / Snap Top Polypropylene Vials, 11mm Crimp Finish

Polypropylene vials are economical alternatives to glass.
They are lightweight and have a good resistance to chemicals.



Cat. No.	Description	Dimensions (mm)	Unit
60-100014	300µL Crimp/Snap Top Limited Volume Vial - Polypropylene	12 x 32	100
60-100075	700µL Crimp/Snap Top Limited Volume Vial - Polypropylene	12 x 32	100

Limited Volume Inserts for Wide Mouth Crimp / Snap Top Vials, 11mm

Inserts are available in Glass or Polypropylene. Some are supplied pre-assembled with a polymer bottom spring which acts as a shock absorber protecting the vial against breakage in case the needle should 'bottom out' in the vial.

Residual Volumes as low as 4µL



Cat. No.	Description	Dimensions (mm)	Unit
60-113050	200µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113050-Z	200µL Tapered Glass Insert, Clear Glass, Silanized	6 x 31	100
60-113051	250µL Tapered Glass Insert, Clear Glass	6 x 31	100
60-113052	400µL Glass Insert - Flat bottom, Clear Glass	6 x 31	100
60-113053	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass	5.7 x 29	100
60-113053-Z	250µL Tapered Glass Insert with plastic bottom spring, Clear Glass, Silanized	5.7 x 29	100
60-113056	250µL Polypropylene Insert with plastic bottom spring, Clear	6 x 29	100

Aluminium Crimp Caps with Septa, 11mm

These high specification Aluminium Crimp Caps are for use with vials having an 11mm crimp top finish. They are available with a variety of septa materials to suit a wide range of samples and in various colours to aid sample identification.



Cat. No.	Description	Unit
60-100647	11mm Aluminium Crimp Cap, (Silver) with PTFE/Red Rubber Septa, 1mm *	100
60-100676	11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone Septa, 1.3mm *	100
60-100713	11mm Aluminium Crimp Cap (Silver) with Blue PTFE/White Silicone Septa, Pre-Slit, 1mm	100
60-100705	11mm Aluminium Crimp Cap (Silver) with Red PTFE/White Silicone/Red PTFE Septa, 1mm	100
60-100659	11mm Aluminium Crimp Cap (Silver) with Grey PTFE/Cream Butyl Rubber Septa, 1.3mm	100
60-100715	11mm Aluminium Crimp Cap (Silver) with Black Viton Liner, 1.5mm	100

* Caps are also available in (-B) Blue, (-G) Green (-R) Red and (-Y) Gold - please state alternative colour required

Magnetic Crimp Caps with Septa, 11mm

Magnetic Crimp Caps are for use with instruments which transport the vials using magnets., e.g. CTC Analytics PAL,



Cat. No.	Description	Unit
60-100656	11mm Magnetic Crimp Cap (Silver) with PTFE/Red Rubber Septa	100
60-100681	11mm Magnetic Crimp Cap (Silver) with PTFE/Silicone Septa	100
60-100710	11mm Magnetic Crimp Cap (Silver) with PTFE/Silicone/PTFE Septa	100

Aluminium Crimp Caps with Ultra Low Bleed Septa, 11mm

These Aluminium Crimp Caps are supplied with an Ultra Low Bleed LC/MS Septa. These are ideal for highly sensitive applications e.g. Mass Spec or where multiple injections are required.

These special seals eliminate particulates with no interfering peaks.



Cat. No.	Description	Unit
60-100682	11mm Crimp Cap (Silver) with Clear PTFE/Blue Silicone ULB Septa	100
60-100682-B	11mm Crimp Cap (Blue) with Clear PTFE/Blue Silicone ULB Septa	100
60-100682-G	11mm Crimp Cap (Green) with Clear PTFE/Blue Silicone ULB Septa	100
60-100682-R	11mm Crimp Cap (Red) with Clear PTFE/Blue Silicone ULB Septa	100
60-100682-Y	11mm Crimp Cap (Gold) with Clear PTFE/Blue Silicone ULB Septa	100

Snap Caps, 11mm

Snap Caps are simply snapped on and off the vial by hand, thus eliminating the requirement of crimping and de-capping and the hazards associated with sharp metal edges.

The larger opening top ensures the needle's target is significantly increased.

Snap Caps cannot be pressurised



Cat. No.	Description	Unit
60-100729	11mm Snap Cap (Clear), Polyethylene with Clear PTFE/Natural Rubber Septa *	100
60-100727	11mm Snap Cap (Clear), Polyethylene with Starburst Pre-Cut Centre *	100
60-100744	11mm Snap Cap (Clear), Polyethylene with Beige PTFE/Red Rubber Septa *	100
60-100755	11mm Snap Cap (Clear), Polyethylene with Red PTFE/White Silicone Septa *	100
60-100774	11mm Snap Cap (Clear), Polyethylene with Blue PTFE/White Silicone Septa, Pre-Slit *	100
60-100765	11mm Snap Cap (Clear), Polyethylene with Red PTFE/White Silicone/Red PTFE Septa *	100

* Caps are also available in (-B) Blue - please add -B to part number when ordering
Other Septa variations are available on request

Crimp Top / Snap Top Vials, 13mm Crimp Finish

The Crimp Top / Snap Top finish provides a choice of closures, either Crimp Caps or Snap Caps.

Snap Caps eliminate the requirement to crimp or de-cap vials, saving time and effort.

Manufactured from Type 1 borosilicate glass, these vials are designed to use in Shimadzu and Waters WISP™ 48 position autosamplers.



Cat. No.	Description	Dimensions (mm)	Unit
60-100168	4.0mL Crimp Top / Snap Top Vial, Clear Glass	15 x 45	100
60-100168-A	4.0mL Crimp Top / Snap Top Vial, Amber Glass	15 x 45	100
60-100172	4.0mL Crimp Top / Snap Top Vial, Clear Glass with Graduated Write-on Patch	15 x 45	100
60-100172-A	4.0mL Crimp Top / Snap Top Vial, Amber Glass with Graduated Write-on Patch	15 x 45	100
60-100168-Z	4.0mL Crimp Top / Snap Top Vial, Clear Glass, Silanised	15 x 45	100
60-100168-A-Z	4.0mL Crimp Top / Snap Top Vial, Amber Glass, Silanised	15 x 45	100

Caps and Septa, 13mm

Snap Caps are simply snapped on and off the vial by hand, thus eliminating the requirement of crimping and de-capping and the hazards associated with sharp metal edges.

Aluminium Crimp Caps are available with a variety of Septa materials to suit a wide range of samples.

The larger opening top ensures the needle's target is significantly increased.



Cat. No.	Description	Unit
Snap Caps		
60-100741	13mm Clear Snap Cap with PTFE Septa, 0.25mm	100
60-100753	13mm Clear Snap Cap with PTFE/Butyl Rubber Septa	100
60-100782	13mm Clear Snap Cap with PTFE/Silicone/PTFE Septa, Pre-slit with Starburst	100
60-100787	13mm Clear Snap Cap with PTFE/Silicone Septa, Pre-slit with Starburst	100
Crimp Caps		
60-100642	13mm Aluminium Crimp Seal (Silver) with PTFE Septa, 0.25mm	100
60-100657	13mm Aluminium Crimp Seal (Silver) with PTFE/Butyl Rubber Septa, 1mm	100
60-100687	13mm Aluminium Crimp Seal (Silver) with PTFE/Silicone Septa	100
60-100711	13mm Aluminium Crimp Seal (Silver) with PTFE/Silicone/PTFE Septa	100

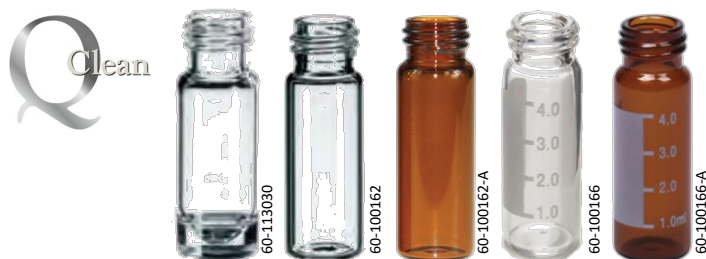
Screw Top Vials for Shimadzu and Waters WISP, 13-425mm Thread

4mL Vials with 13-425mm thread are designed to fit Agilent 6850, Dionex, Merck/Hitachi, PerkinElmer Autosystem GC, Shimadzu AOC-14/1400, LC-10A and SIL-2AS, Spark and Waters® WISP™ 48 position autosamplers.

Available with or without graduated Write-on Patch.

Residual volumes as low as 4µL

Manufactured from clear or amber Type 1 Borosilicate glass.



Cat. No.	Description	Dimensions (mm)	Unit
60-113030	3.5mL High Recovery Vial, Clear Glass, Q-Clean	15 x 45	100
60-100162	4.0mL Vial, Screw Top, Clear Glass, Q-Clean	15 x 45	100
60-100162-A	4.0mL Vial, Screw Top, Amber Glass, Q-Clean	15 x 45	100
60-100166	4.0mL Vial, Screw Top, Clear Glass with Graduated Write-on Patch, Q-Clean	15 x 45	100
60-100166-A	4.0mL Vial, Screw Top, Amber Glass with Graduated Write-on Patch, Q-Clean	15 x 45	100

Limited Volume Inserts for Screw Top Vials, 13mm Thread

Limited Volume Insert for use with 4m Screw Top Vials.

Insert requires the bottom spring which acts as a shock absorber to prevent against breakage if the autosampler needle bottoms out.

Residual Volume < 9µL



Cat. No.	Description	Dimensions (mm)	Unit
60-113060	300µL Tapered Glass Insert, Clear Glass (Requires Spring 60-113061)	6 x 40	100
60-113061	Metal Spring for Tapered Glass Insert 60-113060		100

Screw Top Caps, 13mm

Available as Open Top or Solid Top design.



Cat. No.	Description	Unit
Open Top Screw Caps		
60-100861	13-425mm Open Top Screw Cap, Black Polypropylene, Unlined	100
60-100861-W	13-425mm Open Top Screw Cap, White Polypropylene, Unlined	100
Solid Top Screw Caps		
60-100885	13-425mm Solid Top Screw Cap, Black Polypropylene, Unlined	100
60-100885-W	13-425mm Solid Top Screw Cap, White Polypropylene, Unlined	100

Other cap colours are available on request

Septa for Screw Top Caps, 13mm

A wide range of Septa materials are available to suit your application.



Cat. No.	Description	Unit
60-101203	White PTFE, 12mm x 0.20mm	100
60-101215	PTFE/Natural Rubber, 12mm x 1.3mm	100
60-101216	Grey PTFE/Cream Butyl Rubber, 12mm x 1.3mm	100
60-101221	Red PTFE/White Silicone/Red PTFE, 13mm x 1mm	100
60-101230	Red PTFE/White Silicone, 12mm x 1.3mm	100
60-101241	Blue PTFE/White Silicone, Pre-Slit, 12mm x 1mm	100

Pre-assembled Screw Top Caps and Septa, 13mm

A range of pre-assembled open Top screw caps are available pre-assembled with the most popular Septa varieties.



Cat. No.	Description	Unit
60-101323	13-425mm Open Top Screw Cap, Black Polypropylene with PTFE/Red Rubber Septa, 1mm	100
60-101328	13-425mm Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone/Red PTFE	100
60-101348	13-425mm Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone Septa, 1.5mm, Pre-slit	100
60-101355	13-425mm Open Top Screw Cap, Black Polypropylene with Red PTFE/White Silicone Septa, 1.5mm	100

Vial Kits - Screw Top, 13-425mm Thread

Vial Kits consist of selected vials with pre-assembled caps and Septa which are packaged in an easily accessible tray.

The kits are ideal for storing in a bench drawer and keep the components visible and particle free



Cat. No.	Description	Dimensions (mm)	Unit
60-101526	Vial Kit P/Nos 60-100166 + 60-101355 4mL Screw Top Vial, Clear Glass with Graduated Write-on Patch + 13-425mm Black Open Top Polypropylene Screw Cap with Red PTFE/White Silicone Septa, 1.5mm, Q-Clean	15 x 45	100
60-101526-A	Vial Kit P/Nos 60-100166-A + 60-101355 4mL Screw Top Vial, Amber Glass with Graduated Write-on Patch + 13-425mm Black Open Top Polypropylene Screw Cap with Red PTFE/White Silicone Septa, 1.5mm, Q-Clean	15 x 45	100

Shell Vials and Plugs

Designed to work in the Waters WISP™ 96 position autosampler.

- Available in superior quality clear or amber 1st hydrolytic class glass (Type 1) or Polypropylene for easy disposal
- Polyethylene cap available plain or with a starburst centre design which eases syringe needle penetration
- Vials feature thicker walls for safer sample handling.

Recommended for the following instruments:

- Alcott
- Gilson
- Shimadzu
- Waters (WISP 96 position Carousel)



Cat. No.	Description	Dimensions (mm)	Unit
Shell Vials			
60-102560	1mL Shell Vial, Clear Glass, 8mm finish (Requires Snap Plug)	8 x 40	100
60-102561	1mL Shell Vial, Amber Glass, 8mm finish (Requires Snap Plug)	8 x 40	100
60-102562	1mL Shell Vial, Polypropylene, 8mm finish (Requires Snap Plug)	8 x 40	100

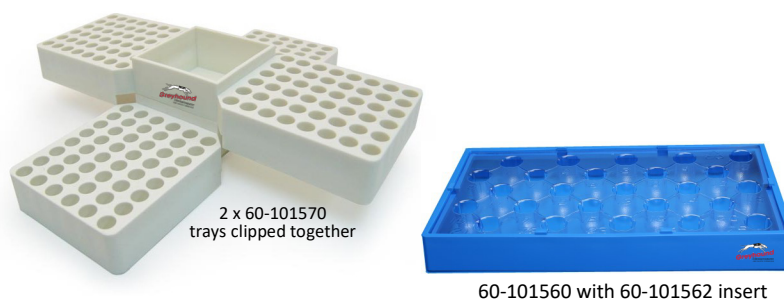
Snap Plugs

60-102563	8mm Clear Polyethylene Snap Plug - Plain Centre	100
60-102564	8mm Clear Polyethylene Snap Plug - with Starburst Centre	100

Vial Racks

Vial racks are constructed of durable glass reinforced polypropylene with a centre well which conveniently holds caps, seals etc.

Racks simply clip together to increase capacity



Cat. No.	Description	Unit
60-101570	96 Position Vial Rack White for 8mm Vials	5
60-101571	96 Position Vial Rack Blue for 8mm Vials	5
60-101572	50 Position Vial Rack White for 12mm Vials	5
60-101573	50 Position Vial Rack Blue for 12mm Vials	5
60-101560	Universal Vial Rack Blue Polypropylene for 15mm Insert Trays (Insert trays sold separately)	5
60-101561	25 Position PETG Insert Tray for Universal Vial Rack, to Hold 8mm Vials	5
60-101562	25 Position PETG Insert Tray for Universal Vial Rack, to Hold 12mm Tapered, Flat & Round Bottom Vials	5
60-101563	25 Position PETG Insert Tray for Universal Vial Rack, to Hold 15mm Vials	5

Headspace Vials, 20mm Crimp Top & 18mm Screw Top Finish

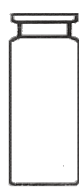
Headspace Vials with Flat Base

There are many headspace autosamplers on the market today, most of which use 6mL, 10mL or 20mL vials of the type detailed below.

The design of these vials provides maximum possible strength to withstand the higher positive internal pressures found in headspace analysis.

For those instruments using a magnetic system to transport the vials to and from the oven, we also offer magnetic crimp and precision thread screw caps designed for that purpose.

Suitable for instruments by Agilent, Carlo Erba, DANI, Fisons, Metrohm and Varian



Flat Base



Rounded Base



Cat. No.	Description	Dimensions (mm)	Unit
CRIMP TOP HEADSPACE VIALS - FLAT BASE			
60-100230	6mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm Bevelled Edge Crimp, Q-Clean	21.7 x 38.2	100
60-100231	6mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm DIN Flat Edge Crimp, Q-Clean	20 x 38	100
60-100233	10mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm DIN Flat Edge Crimp, Q-Clean	20 x 54.5	100
60-100243	10mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 46	100
60-100232	10mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm Bevelled Edge Crimp, Q-Clean	22.75 x 46	100
60-100245	20mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 75.5	100
60-100235	20mL Headspace Vial, Crimp Top, Clear Glass, Flat Base, 20mm Bevelled Edge Crimp, Q-Clean	22.75 x 75.5	100

Vial Kits - Crimp Top, 20mm

Vial Kits consist of selected vials with pre-assembled Crimp Caps and Septa.

Cat. No.	Description	Dimensions (mm)	Unit
FLAT BASE			
60-101534	Vial Kit P/Nos. 60-100235 and 60-113100 20mL Headspace Vial, Crimp Top, Clear Glass, Flat Base + 20mm Aluminium Crimp Cap (Silver) with pre-fitted PTFE/Grey Butyl Septa, Q-Clean	23 x 75	100
60-101535	Vial Kit P/Nos. 60-100235 and 60-113110 20mL Headspace Vial, Crimp Top, Clear Glass, Flat Base + 20mm Aluminium Crimp Cap (Silver) with pre-fitted PTFE/Silicone Septa, 3mm, Q-Clean	23 x 75	100
ROUNDED BASE			
60-101532	Vial Kit P/Nos. 60-100278 and 60-113100 20mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base + 20mm Aluminium Crimp Cap (Silver) with pre-fitted PTFE/Grey Butyl Septa, Q-Clean	23 x 75	100
60-101533	Vial Kit P/Nos. 60-100278 and 60-113110 20mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base + 20mm Aluminium Crimp Cap (Silver) with pre-fitted PTFE/Silicone Septa, 3mm, Q-Clean	23 x 75	100

Headspace Vials, 20mm Crimp Top & 18mm Screw Top

Headspace Vials with Rounded Base

There are many headspace autosamplers on the market today, most of which use 10mL or 20mL vials of the type detailed below with either a flat or rounded base.

The design of these vials provides maximum possible strength to withstand the higher positive internal pressures found in headspace analysis.

For those instruments using a magnetic system to transport the vials to and from the oven, we also offer magnetic crimp and screw caps designed for that purpose.

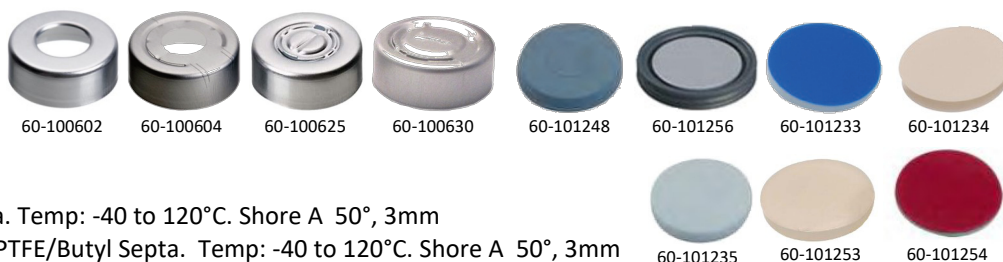
Suitable for instruments by Atas, CTC PAL, Fisons, Gerstel, PerkinElmer, Shimadzu, Teledyne Tekmar, Thermo and Varian. Plus new 20mL SPME Headspace Vial.



Cat. No.	Description	Dimensions (mm)	Unit
CRIMP TOP HEADSPACE VIALS - ROUNDED BASE			
60-100275	6mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm Bevelled Edge Crimp, Q-Clean	22 x 38.2	100
60-100270	10mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 46	100
60-100270-A	10mL Headspace Vial, Crimp Top, Amber Glass, Rounded Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 46	100
60-100280	20mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 75.5	100
60-100280-A	20mL Headspace Vial, Crimp Top, Amber Glass, Rounded Base, 20mm DIN Flat Edge Crimp, Q-Clean	22.5 x 75.5	100
60-100278	20mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm Bevelled Edge Crimp, Q-Clean	23 x 75.5	100
60-100278-A	20mL Headspace Vial, Crimp Top, Amber Glass, Rounded Base, 20mm Bevelled Edge Crimp, Q-Clean	23 x 75.5	100
60-100279	20mL Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm Bevelled Edge Crimp, with Graduated Write-on Patch, Q-Clean	23 x 75.5	100
60-100281	20mL SPME Headspace Vial, Crimp Top, Clear Glass, Rounded Base, 20mm Special Thicker Crimp neck for thinner septa, Q-Clean	22.5 x 75.5	100
60-100281-A	20mL SPME Headspace Vial, Crimp Top, Amber Glass, Rounded Base, 20mm Special Thicker Crimp neck for thinner septa, Q-Clean	22.5 x 75.5	100
SCREW TOP HEADSPACE VIALS - ROUNDED BASE			
60-100284	10mL Headspace Vial, Screw Top, Clear Glass, Rounded Base, 18mm Screw Thread, Q-Clean	22.5 x 46	100
60-100284-A	10mL Headspace Vial, Screw Top, Amber Glass, Rounded Base, 18mm Screw Thread, Q-Clean	22.5 x 46	100
60-100286	20mL Headspace Vial, Screw Top, Clear Glass, Rounded Base, 18mm Screw Thread, Q-Clean	22.5 x 75.5	100
60-100286-A	20mL Headspace Vial, Screw Top, Amber Glass, Rounded Base, 18mm Screw Thread, Q-Clean	22.5 x 75.5	100
60-100287	20mL Headspace Vial, Screw Top, Clear Glass, Rounded Base with Graduated Write-on Patch, 18mm Screw Thread, Q-Clean	22.5 x 75.5	100

Aluminium Crimp Caps and Septa 20mm

A wide range of aluminium crimp seals are available, either unlined or lined with premium quality



SEPTA MATERIALS

- 60-101248 PTFE/Grey Butyl Septa. Temp: -40 to 120°C. Shore A 50°, 3mm
- 60-101256 Pharma-Fix Moulded PTFE/Butyl Septa. Temp: -40 to 120°C. Shore A 50°, 3mm
- 60-101233 Blue PTFE/White Silicone Septa. Temp: -40°C - 240°C. Shore A 55°, 1.5mm
- 60-101234 Beige PTFE/White Silicone Septa. Temp: -60 to 200°C. Shore A 45°. Popular on Shimadzu instruments, 3mm
- 60-101235 Beige PTFE/White Silicone Septa (HT Grade). Temp: -60 to 200°C. Shore A 45°, 3.2mm, Purest synthetic rubber for critical analysis work
- 60-101253 Beige PTFE/White Silicone Septa (IHT Grade). Temp: -60 to 200°C. Shore A 45°. Soft for easy penetration, 3.2mm Purest synthetic rubber for critical analysis work. Alternative to Agilent HT quality septa
- 60-101254 PTFE/Red Silicone Septa. Temp: -60°C to 300°C. Shore A 45°. For high temperature areas in Headspace analysis

Cat. No.	Description	Unit
CRIMP CAPS without Septa		
60-100602	20mm Aluminium Crimp Cap, (Silver), Open 10mm Hole **	100
60-100604	20mm Aluminium Headspace Crimp Cap (Silver), Open Hole	100
60-100625	20mm Aluminium Crimp Cap, (Silver), Centre Tear Out **	100
60-100630	20mm Aluminium Crimp Cap, (Silver) Complete Tear Off **	100
** Caps are also available in (-B) Blue, (-G) Green, (-R) Red and (-Y) Gold		
SEPTA for Crimp Caps		
60-101248	20mm PTFE/Grey Butyl Septa, 3mm	100
60-101256	20mm Pharma-Fix Moulded Grey PTFE/Butyl Septa, 3mm	100
60-101233	20mm Blue PTFE/White Silicone Septa, 1.5mm	100
60-101234	20mm Beige PTFE/White Silicone Septa	100
60-101235	20mm Beige PTFE/White Silicone Septa (HT Grade), 3mm	100
60-101253	20mm Beige PTFE/White Silicone Septa (IHT Grade), 3mm	100
60-101254	20mm Clear PTFE/Red Silicone Septa, 3mm, Ultra Clean	100
CRIMP CAPS with Pre-fitted PTFE/Grey Butyl Septa. 3mm		
60-113100	20mm Aluminium Crimp Cap (Silver), Open Hole	100
60-113101	20mm Aluminium Headspace Crimp Cap (Silver), Open Hole	100
60-113102	20mm Aluminium Centre Tear Off Crimp Cap (Silver)	100
60-113103	20mm Aluminium Complete Tear Off Crimp Cap (Silver)	100
CRIMP CAPS with Pre-fitted Pharma-Fix Moulded Grey PTFE/Butyl Septa, 3mm		
60-113105	20mm Aluminium Crimp Cap (Silver), Open Hole	100
60-113106	20mm Aluminium Headspace Crimp Cap (Silver)	100
60-113107	20mm Aluminium Centre Tear Off Crimp Cap (Silver)	100
60-113108	20mm Aluminium Complete Tear Off Crimp Cap (Silver)	100
CRIMP CAPS with Pre-fitted Beige PTFE/White Silicone Septa, 3mm		
60-113110	20mm Aluminium Crimp Cap (Silver)	100
60-113111	20mm Aluminium Headspace Crimp Cap (Silver)	100
60-113112	20mm Aluminium Centre Tear Off Crimp Cap (Silver)	100
60-113113	20mm Aluminium Complete Tear Off Crimp Cap (Silver)	100
CRIMP CAPS with Pre-fitted Beige PTFE/White Silicone Septa (HT Grade), 3.2mm		
60-113115	20mm Aluminium Crimp Cap (Silver), Open Hole	100
60-113116	20mm Aluminium Headspace Crimp Cap (Silver)	100

Magnetic Headspace Caps and Septa

A wide range of Magnetic Tin Plate and Bi-Metallic Caps are available, complete with the most popular range of Septa

Screw Caps are available as metal caps and in Polypropylene with a magnetic overlay (PolyMag) (Max. Temp. 130°C)



Tin Plate
Crimp Cap



Bi-Metallic
Crimp Cap



Magnetic
Screw Cap



PolyMag
Screw Cap

MAGNETIC CRIMP CAPS, 20mm

Cat. No.	Description	Unit
20mm TIN PLATE MAGNETIC CRIMP CAP (Silver), Open 8mm Hole		
60-100669	With Pre-fitted PTFE/Grey Butyl Septa. 3mm (60-101248)	100
60-100670	With Pre-fitted Pharma-Fix Moulded Grey PTFE/Butyl Septa, 3mm (60-101256)	100
60-100671	With Pre-fitted Beige PTFE/White Silicone Septa (IHT Grade), 3mm (60-101253)	100
60-100672	With Pre-fitted Beige PTFE/White Silicone Septa, 3mm (60-101234)	100
60-100689	With Pre-fitted Clear PTFE/Red Silicone Septa for Ultra High Temperature Analysis (300°C), Ultra-Clean	100

20mm TIN PLATE MAGNETIC CRIMP CAP (Silver), Open 8mm Hole FOR SPME VIALS

Thinner septa for ease of penetration with SPME applications

Cat. No.	Description	Unit
60-100661	With Pre-Fitted Blue PTFE/ White Silicone Septa, 1.5mm (Shore A 55°)	100
60-100662	With Pre-Fitted Black Viton 1A Septa, 1.0mm (Shore A 70°)	100

20mm BI-METALLIC MAGNETIC CRIMP CAP (Blue), Open 8mm Hole

60-100678-B	Blank Cap without septa	
60-100679-B	With Pre-fitted PTFE/Grey Butyl Septa. 3mm (60-201248)	100
60-100690-B	With Pre-fitted Pharma-Fix Moulded Grey PTFE/Butyl Septa, 3mm (60-101256)	100
60-100691-B	With Pre-fitted Beige PTFE/White Silicone Septa (HT Grade), 3mm (60-101253)	100
60-100692-B	With Pre-fitted Beige PTFE/White Silicone Septa, 3mm (60-101254)	100

MAGNETIC SCREW THREAD CAPS, 18mm

Cat. No.	Description	Unit
MAGNETIC SCREW CAPS with Pre-fitted SEPTA		
60-100910	18mm Magnetic Screw Cap (Silver) with Grey PTFE/Red Butyl Septa, 1.6mm, (Shore A 55°)	100
60-100912	18mm Magnetic Screw Cap (Silver) with White PTFE/Translucent Blue Silicone Septa, 1.3mm, (Shore A 45°)	100
60-100913	18mm Magnetic Screw Cap (Silver) with Blue PTFE/White Silicone Septa, 1.5mm, (Shore A 55°)	100
60-100915	18mm Magnetic Screw Cap (Silver) with Clear PTFE/Blue Silicone Septa, 3mm, (Shore A 40°)	100
60-100911	18mm Magnetic Screw Cap (Silver) with High Temperature PTFE/Red Silicone Septa, 3mm, (Shore A 45°)	100
60-100916	18mm Magnetic Screw Cap (Silver) with PTFE/Butyl Septa, 3mm, (Shore A 50°)	100

POLYMAG SCREW CAPS with Pre-fitted Septa (Max Temp 130°C)

60-100960	18mm PolyMag Screw Cap (Black) with Blue PTFE/White Silicone Septa with SPME Microcenter	100
60-100961	18mm PolyMag Screw Cap (Black) with Natural PTFE/White Silicone Septa, 3mm	100
60-100962	18mm PolyMag Screw Cap (Black) with Blue PTFE/White Silicone Septa, 1.5mm	100
60-100963	18mm PolyMag Screw Cap (Black) with Clear PTFE/Red Butyl Septa, 3mm	100
60-100964	18mm PolyMag Screw Cap (Black) with White PTFE/Transparent Blue Silicone Septa, 1.75mm	100
60-100965	18mm PolyMag Screw Cap (Black) with Red PTFE/White Silicone Septa, 1.9mm	100

EPA / VOA Vials with Open Top Screw Caps and Septa, 24-414mm Thread

EPA/VOA Vials are designed for water sample collection for Volatile Organic Analysis. These vials are manufactured from clear or amber borosilicate glass and are supplied fully assembled.

Vials are available as Standard, Pre-cleaned or Pre-cleaned and Certified in accordance with EPA protocol

Class 1 (Standard) Processed and packaged under strict ISO Quality procedures. These vials are not pre-cleaned or certified.

Class 2 (Pre-cleaned) Containers are processed according to EPA recommended wash procedures. Washed with laboratory grade biodegradable, non-phosphate detergent, rinsed with ASTM Type 1 de-ionised water, oven dried and assembled in a contaminate-free environment. The exterior of each case is labelled with the lot number. Each case contains a copy of the wash 'SOP'.

Class 3 (Certified) Containers are processed according to EPA recommended wash procedures. Washed with laboratory grade biodegradable, non-phosphate detergent, rinsed with ASTM Type 1 de-ionised water, oven dried and assembled in a contaminate-free environment. The exterior of each case is labelled with the lot number. Each case contains a Certificate of Analysis

An independent laboratory is used to certify the container's cleanliness, assuring impartial results.



Cat. No.	Description	Dimensions (mm)	Unit
STANDARD - Class 1			
60-101706	40mL Screw Top Vial, Clear Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101706-A	40mL Screw Top Vial, Amber Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101712	40mL Screw Top Vial, Clear Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100
60-101712-A	40mL Screw Top Vial, Amber Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100
60-101718	40mL Screw Top Vial, Clear Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	144
60-101718-A	40mL Screw Top Vial, Amber Glass + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	144
PRECLEANED - Class 2			
60-101707	40mL Screw Top Vial, Clear Glass, Precleaned + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101707-A	40mL Screw Top Vial, Amber Glass, Precleaned + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101713	40mL Screw Top Vial, Clear Glass, Precleaned + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100
60-101713-A	40mL Screw Top Vial, Amber Glass, Precleaned + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100
PRECLEANED and CERTIFIED - Class 3			
60-101708	40mL Screw Top Vial, Clear Glass, Precleaned & Certified + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101708-A	40mL Screw Top Vial, Amber Glass, Precleaned & Certified + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	72
60-101714	40mL Screw Top Vial, Clear Glass, Precleaned & Certified + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100
60-101714-A	40mL Screw Top Vial, Amber Glass, Precleaned & Certified + 24-414mm Open Top White PP Cap with 3mm PTFE/Silicone Septa	28 x 95	100

TOC Vials - Certified (<10ppb), 24-414mm Thread

Greyhound TOC (Total Organic Carbon) Vials are manufactured to the highest specifications and are tested and certified to contribute less than **10ppb TOC** as background thus ensuring the accuracy of your results.

Supplied complete with Cap Covers to protect screw caps and Septa from particulates. The Certificate of Analysis is included together with lot number for traceability purposes.



Cat. No.	Description	Dimensions (mm)	Unit
60-101810	40mL TOC Certified Vials, Clear Glass with 24-414mm Open Top Grey Polypropylene Screw Cap, 3mm PTFE/Silicone Septa and Cap Cover	28 x 95	72

Environmental Storage Vials, 4mL - 60mL

Environmental Vials are manufactured from clear or amber borosilicate glass.

A range of Caps and Septa are available on page 36 to provide maximum choice when selecting your vial / cap combination



Cat. No.	Description	Dimensions (mm)	Unit
Vials - Class 1			
60-100162	4mL Clear Environmental Storage Vial, 13-425mm Thread, Q-Clean	15 x 46	100
60-100162-A	4mL Amber Environmental Storage Vial, 13-425mm Thread, Q-Clean	15 x 46	100
60-100204	8mL Clear Environmental Storage Vial, 15-425mm Thread, Q-Clean	17 x 61	100
60-100204-A	8mL Amber Environmental Storage Vial, 15-425mm Thread, Q-Clean	17 x 61	100
60-100206	12mL Clear Environmental Storage Vial, 15-425mm Thread, Q-Clean	19 x 65	100
60-100206-A	12mL Amber Environmental Storage Vial, 15-425mm Thread, Q-Clean	19 x 65	100
60-101827	20mL Clear Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 56	100
60-101827-A	20mL Amber Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 56	100
60-101830	30mL Clear Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 72	100
60-101830-A	30mL Amber Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 72	100
60-101828	40mL Clear Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 95	100
60-101828-A	40mL Amber Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 95	100
60-101829	60mL Clear Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 140	100
60-101829-A	60mL Amber Environmental Storage Vial, 24-400mm Thread, Q-Clean	28 x 140	100

Screw Caps and Septa, 13mm, 15mm & 24mm

A range of Caps and Septa are available to provide maximum choice when selecting your vial / cap combination



Cat. No.	Description	Unit
13-425mm Screw Caps		
60-100885	13-425mm Solid Top, Black Polypropylene Cap Unlined	100
60-100885-W	13-425mm Solid Top, White Polypropylene Cap Unlined	100
Septa for 13-425mm Screw Caps		
60-101203	White PTFE Septa 0.20mm	100
60-101215	Clear PTFE/Natural Rubber Septa 1.3mm	100
60-101230	Red PTFE/White Silicone Septa 1.5mm	100
13-425mm Screw Caps with Pre-fitted Septa		
60-110780	13-425mm Solid Top Screw Cap, Black Polypropylene with PTFE/Natural Rubber Septa, 1.3mm	100
60-110781	13-425mm Solid Top Screw Cap, Black Polypropylene with Grey PTFE/Cream Butyl Septa, 1.3mm	100
60-110782	13-425mm Solid Top Screw Cap, Black Polypropylene with Red PTFE/Cream Silicone Septa, 1.5mm	100
15-425mm Screw Caps		
60-100866	15-425mm Black Open Top Screw Cap	100
60-100887	15-425mm Black Solid Top Screw Cap	100
Septa for 15-425mm Caps		
60-110752	White PTFE Septa, 14mm x 0.25mm	100
60-110753	Black Viton Septa, 14mm x 1mm	100
60-110754	Grey PTFE/Red Butyl Septa, 14mm x 1mm	100
60-110755	White Silicone/Aluminium Foil Septa, 14mm x 1.3mm	100
60-110756	Grey Butyl Septa, 14mm x 2mm	100
15-425mm Screw Caps with Pre-fitted Septa		
60-101357	15-425mm Open Top Screw Cap, Black Polypropylene with PTFE/Silicone Septa, 1.65mm	100
60-110770	15-425mm Solid Top Screw Cap, Black Polypropylene with PTFE/Natural Rubber Septa, 1.3mm	100
60-110771	15-425mm Solid Top Screw Cap, Black Polypropylene with Grey PTFE/Red Butyl Septa, 1.5mm	100
60-110772	15-425mm Solid Top Screw Cap, Black Polypropylene with Black Viton Septa, 1mm	100
60-110773	15-425mm Solid Top Screw Cap, Black Polypropylene with Silicone/Aluminium Foil Septa, 1.3mm	100
60-110774	15-425mm Solid Top Screw Cap, Black Polypropylene with Grey Butyl Septa, 2mm	100
24-400mm Screw Caps		
60-102151-W	24-400mm Open Top, White Polypropylene Cap	100
60-100891	24-400mm Solid Top, Black Polypropylene Cap Unlined	100
60-100892-W	24-400mm Solid Top, White Polypropylene Cap Unlined	100
60-102520	24-400mm Solid Top, Black Phenolic Cap / PE Cone Liner	100
60-102544-W	24-400mm Solid Top, White Polypropylene Cap / PTFE Liner	100
24-414mm Screw Caps		
60-102152-W	24-414mm Open Top, White Polypropylene Cap, Unlined	100
60-100894-W	24-414mm Solid Top White Polypropylene Cap, Unlined	100
60-102101-W	24-414mm Open Top, White Polypropylene Cap with Bonded 3mm PTFE/Silicone Septa	100
Septa for 24mm Screw Caps		
60-102128	PTFE Liner, 24mm, 0.25mm	100
60-101255	PTFE/Silicone Septa, 24mm x 3mm, EPA	100

Screw Caps and Septa, 24mm

POSI-Clean™ EPA/VOA Caps and Septa with 24-414mm Thread

POSI-Clean™ Caps for EPA/VOA Vials – offer a new innovative one-piece cap designed to reduce chemical and particulate contamination during sample collection. Resisting Chemical and environmental contamination in the field, ensures better analytical results. POSI-Clean™ reduces costs and ensures samples collected are unaffected by environmental conditions during transport back to the laboratory.

POSI-Clean™ Caps eliminate the need for multiple caps to be taken out in the field during sample collection. The fully interlocking cap cover design stays in place until it needs to be removed for analysis. The 24-414mm thread cap is lined with a **bonded** PTFE/Silicone Liner which has been pre-conditioned to meet EPA standards. The liner is only exposed when the POSI-Clean™ top is removed at the laboratory for analysis. The design dimensions conform to the existing caps eliminating the need for any additional packaging.



60-100970

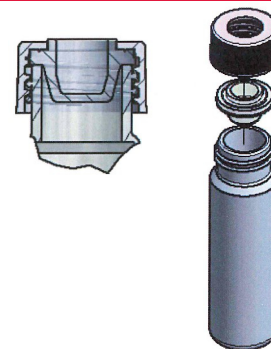
Cat. No.	Description	Unit
60-100970	24-414mm POSI-Clean™ Screw Caps with Bonded PTFE/Silicone Septa and flip-off removable cover	100

Plug Seal Cap System EPA/VOA Caps and Septa with 24-414mm Thread

Greyhound Plug Seal Cap System - is a revolutionary design and comprises of a compression moulded PTFE/Silicone Septa assembled into our 24-414, thread cap. This complete septa system reduces septa fallout and enhances long term storage of samples.

The product reduces the possibility of over torquing and the probability of a testing bubble. The new Plug Seal closure system is manufactured in a clean room environment and can meet the stringent demands of high volume labs.

The PTFE surface face of this cap design can be used with volatile solvents. This cap system is compatible with EPA VOA vials used in all methods.



Cat. No.	Description	Unit
60-100971	24-414mm Plug Seal Cap System	100

Injection Vials, 13mm Crimp Finish

Highest quality Injection Vials as per DIN/ISO.

Manufactured exclusively from 1st Hydrolytic tubular glass.

Packaged in class 100,000 Cleanroom with the 'Q-Clean' Seal of approval, guaranteeing the high quality and cleanliness of the vials



Cat. No.	Description	Dimensions (mm)	Unit
60-113300	2mL Injection Vial, Clear Glass, 13mm Crimp Finish, (DIN ISO), Q-Clean	16 x 35	352
60-113300-A	2mL Injection Vial, Amber Glass, 13mm Crimp Finish, (DIN ISO), Q-Clean	16 x 35	352
60-113301	4mL Injection Vial, Clear Glass, 13mm Crimp Finish, (DIN ISO), Q-Clean	16 x 45	Enquire
60-113301-A	4mL Injection Vial, Amber Glass, 13mm Crimp Finish, (DIN ISO), Q-Clean	16 x 45	Enquire

Stoppers and Crimp Caps - 13mm



60-113400



60-113401



60-113500



60-113501



00-113510-R

Cat. No.	Description	Unit
60-113400	13mm Injection Stoppers, Grey Bromobutyl	100
60-113401	13mm Freeze Drying Stopper, Grey Bromobutyl	100
60-113500	13mm Aluminium Crimp Cap, Silver, Complete Tear-off	100
60-113501	13mm Aluminium Crimp Cap, Silver, Centre Tear-off	100
60-113510-R	13mm Aluminium Flip-Top Crimp Cap, Centre Tear-off with Red Flip-Off Cap	100

**Special pricing is available for bulk and call-off orders,
please contact our sales team for a quotation**

Injection Vials, 20mm Crimp Finish - Tubular Glass

Highest quality Injection Vials as per DIN/ISO.

Manufactured exclusively from 1st Hydrolytic tubular glass.

Packaged in class 100,000 Cleanroom with the 'Q-Clean' Seal of approval, guaranteeing the high quality and cleanliness of the vials



Cat. No.	Description	Dimensions (mm)	Unit
60-113305	6mL Injection Vial, Clear Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	22 x 40	186
60-113305-A	6mL Injection Vial, Amber Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	22 x 40	186
60-113306	10mL Injection Vial, Clear Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	24 x 45	154
60-113306-A	10mL Injection Vial, Amber Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	24 x 45	154
60-113307	20mL Injection Vial, Clear Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	30 x 55	91
60-113307-A	20mL Injection Vial, Amber Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	30 x 55	91
60-113308	30mL Injection Vial, Clear Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	30 x 75	Enquire
60-113308-A	30mL Injection Vial, Amber Glass, 20mm Crimp Finish, (DIN ISO), Q-Clean	30 x 75	Enquire

Injection Vials, 20mm Crimp Finish - Moulded Glass

Highest quality Injection Vials, manufactured from smelting glass as per DIN/ISO.

According to Article 3.2.1 of the European Pharmacopoeia PH, corresponds to glass type 1 Eur.

Dust and germ free packaging

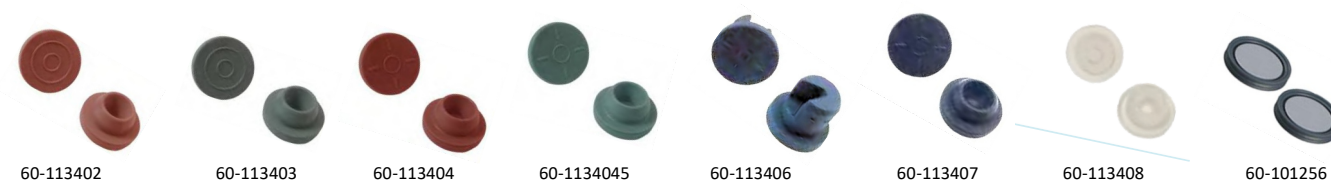


Cat. No.	Description	Dimensions (mm)	Unit
60-113310	20mL Injection Vial, Clear Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	32 x 58	252
60-113310-A	20mL Injection Vial, Amber Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	32x 58	252
60-113311	30mL Injection Vial,, Clear Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	36 x 62	156
60-113311-A	30mL Injection Vial, Amber Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	36 x 62	156
60-113312	50mL Injection Vial, Clear Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	42.5 x 73	130
60-113312-A	50mL Injection Vial, Amber Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	42.5 x 73	130
60-113313	100mL Injection Vial, Clear Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	51.6 x 94.5	88
60-113313-A	100mL Injection Vial, Amber Glass, 1st Hydrolytic, 20mm Crimp Finish, (DIN ISO)	51.6 x 94.5	88

SEE PAGES 32 & 40 FOR OUR RANGE OF 20mm CRIMP CAPS AND SEPTA

Injection Stoppers - 20mm

Injection Stoppers for injection vials with 20mm crimp finish



Cat. No.	Description	Unit
60-113402	20mm Injection Stopper, Red-brown Chlorobutyl, 48° Shore A	100
60-113403	20mm Injection Stopper, Grey Chlorobutyl, 48° Shore A	100
60-113404	20mm Injection Stopper, Red-brown Bromobutyl, 45° Shore A	100
60-113405	20mm Injection Stopper, Grey Bromobutyl, 37° Shore A	100
60-113406	20mm Freeze Drying Plug, Light Grey Bromobutyl	100
60-113407	20mm Injection Stopper, Butyl/Grey PTFE, 47° Shore A	100
60-113408	20mm Ultraclean Silicone Stopper, transparent, 37° Shore A	100
60-101256	20mm Pharma-Fix Moulded Grey PTFE/Butyl Septa, 3mm	100

Flip-Off - Centre Tear-Off Crimp Caps (Tamper evident) - 20mm

Tamper Evident hole caps, tear-off plastic centre part prevents unauthorised manipulation of the samples

Easier, faster and safer to open than conventional centre tear-off caps with aluminium centre part

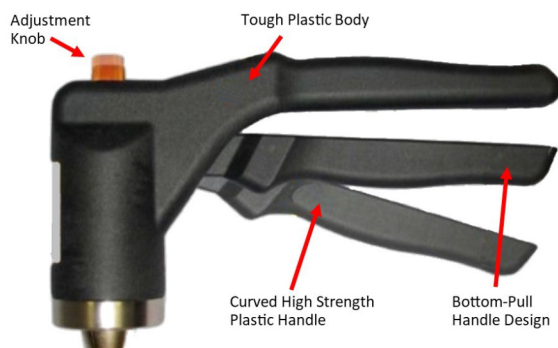
Wide range of colours available to aid sample identification



Cat. No.	Description	Unit
60-113511	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Transparent Cap	100
60-113511-W	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with White Cap	100
60-113511-Y	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Yellow Cap	100
60-113511-O	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Orange Cap	100
60-113511-R	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Red Cap	100
60-113511-L	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Lavender Cap	100
60-113511-V	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Violet Cap	100
60-113511-DB	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Dark Blue Cap	100
60-113511-B	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Blue Cap	100
60-113511-T	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Turquoise Cap	100
60-113511-DG	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Dark Green Cap	100
60-113511-G	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Green Cap	100
60-113511-YG	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Yellow Green Cap	100
60-113511-B	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Black Cap	100
60-113511-GR	20mm Aluminium Flip-Off Crimp Cap, Centre Tear-off with Grey Cap	100

Handy Grip™ Hand Held Crimpers & Decappers

MANUAL CRIMPERS & DECAPPERS



Features

- Curved high-strength plastic handles, greatly improve hand comfort over metal grips
- An easily-viewed adjustment knob is positioned at the head of the crimper
- It is easy to see when the crimp setting has been reached
- The bottom-pull handle design is steadier to hold than top-push handles
- Tough, light, glass filled plastic body provides strength and improves usability of the tool
- The curved high-strength handles conform to your natural hand grip
- Easily-viewed adjustment knob clearly shows + and - symbols and directional arrows. This simplifies adjusting the intensity of crimp needed
- No more “extra squeeze” necessary to ensure crimp setting is reached. This is easily viewed when the knob fully touches the body with each crimp

Part No.	Description
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Crimpers

61-100020	8mm Handy Grip Manual Crimper
61-100022	11mm Handy Grip Manual Crimper
61-100026	13mm Handy Grip Manual Crimper
61-100030	20mm Handy Grip Manual Crimper

Decappers

61-100024	11mm Handy Grip Manual Decapper
61-100028	13mm Handy Grip Manual Decapper
61-100032	20mm Handy Grip Manual Decapper

Part No.	Description
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Accessories

61-100014	Lithium Ion Battery 6.4 Volt
61-100033	Stand for Hand and Electronic Rechargeable Crimpers / Decappers

ELECTRONIC CRIMPERS & DECAPPERS



Push Button, Reliable, Reproducible Crimping

- The motor driven, Electronic Crimper crimps hundreds of vials on a single charge with just the touch of a button.
- A single press of the button both closes the crimping jaws to attach the seal and opens them to release the vials. You can also remove a seal with a single press of the operation button on the decapper version.
- Compatible with standard aluminum seals, pressure release seals, tin plated seals, bi-metallic two piece seals and ‘flip-off’ seals. (*Select the proper tool according to the finish size of the vials*).
- Long life lithium ion battery provides full power crimping and decapping throughout the charge cycle.

SPECIFICATIONS

- Precision, rechargeable crimpers and decappers for 8, 11, 13 & 20mm caps
- New OLED Screen Displays: • Tool Size • Battery Status • Crimp Setting • Cycle Result
- Settings Menu Provides: • Lifetime Statistics • Recent Cycle Log • 8 Language Options • Reset Functions
- Brushless motor for longer life!
- Easy to use, comfortable grip
- Robust, ergonomic design for left or right handed use
- Hundreds of reproducible crimps from one charge
- Crimp force sensing assures consistent proper sealing
- Adjustable crimp settings for compatibility to most cap types

Part No.	Description
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Crimpers

61-100000	8mm Electronic Crimper 6.4 Volt
61-100002	11mm Electronic Crimper 6.4 Volt
61-100004	13mm Electronic Crimper 6.4 Volt
61-100006	20mm Electronic Crimper 6.4 Volt
61-100016	13mm Electronic 'Flip-Off' Cap Crimper
61-100018	20mm Electronic 'Flip-Off' Cap Crimper

Decappers

61-100008	11mm Electronic Decapper 6.4 Volt
61-100010	13mm Electronic Decapper 6.4 Volt
61-100012	20mm Electronic Decapper 6.4 Volt

Q-Range Autosampler Compatibility Chart

Greyhounds 'Q-Range' vials are fully compatible with all the autosamplers listed in the table. Some autosamplers require the use of optional vial trays, support or occasionally programming upgrades to use all of the vials listed.

A (•) indicates that the vials from this category are compatible with the autosampler in most configurations.

Our vials are suitable for many other models of autosamplers, please contact our sales team for further information.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46	23 x 46	28 x 56
										23 x 75	23 x 75	28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Agilent	1050	•	•		•							
	1090	•	•		•							
	1100	•	•		•							
	1200	•	•		•							
	1260 Infinity	•			•							
	1290 Infinity	•			•							
	G1888A						•				•	
	7673A	•			•							
	7683A	•			•							
	HS7694						•				•	
	7695A											•
	79855(A)	•	•		•							
	5880	•			•							
	5890	•			•							
	6850 (27 Pos. Tray)	•			•							
	6850 (22 Pos. Tray)						•					
	6890	•			•							
	CTC HTS+HTC PAL	•	•		•							
	CTC GC PAL	•			•							
	CTC Combi PAL							•		•		
	Tekmar SOLATek72											•
	Archon Pluge + Trap											•
	AQUATek 70											•
	7693A	•	•	•			•					
	HS7694						•				•	
	7697A										•	
Beckman Coulter	501	•	•	•	•	•						
	502/502e	•	•	•	•	•						
	507/507e	•	•	•	•	•						
	508 (System Gold)				•			•				
	Marathon	•	•	•	•							
	Promis	•	•	•	•							
	Triathlon, Standard Tray	•	•	•	•			•				
	Triathlon, LSV Tray						•					
	Triathlon, Super-LSV Tray							•				
Carlo Erba	AS100	•	•	•	•							
	AS200	•		•	•							
	A200LC	•	•	•	•							
	AS200S	•		•	•							
	AS300	•	•	•	•							
	AS800, 42 vial tray	•		•	•							
	AS800, 60 vial tray	•		•	•							
	HS250							•				
	HS500							•				
	HS800							•		•		
	HS850							•		•		

Q-Range Autosampler Compatibility Chart cont.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46 23 x 75	23 x 46 23 x 75	28 x 56 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
LEAP	LC PAL (216 Pos.)	•	•	•	•	•		•				
	HTX PAL, HTC PAL, HTS PAL (54/98 Pos. Tray)	•	•	•	•	•		•				
	HTX PAL, HTC PAL, HTS PAL											
	HTX PAL, HTC PAL, HTS PAL (32 Pos. Tray)									•		
	Combi PAL (98 Pos. Tray),	•			•							
	Combi PAL SPME Mode (98 Pos. Tray)	•			•							
	Combi PAL (32 Pos. Tray),							•		•		
	Combi PAL SPME Mode (32 Pos. Tray)									•		
PerkinElmer	Series 200, 85 vial tray	•				•						
	Series 200, 81/100 vial tray	•				•						
	Series 200, 205 vial tray	•				•						
	Series 200, 225 vial tray											
	AI-1	•										
	AS-100/AS-100B	•										
	AS2000/AS2000B	•				•						
	AS-300	•										
	AS8300	•										
	Autosystem	•										
	HS40/HS100/101								•			
	TurboMatrix HS16/HS40/ HS40 XL/ HS40 Trap/HS110/ HS110 Trap								•	• ⁽¹⁾		
	Integral 4000	•				•						
	ISS-100, 85 vial tray	•				•						
	ISS-100, 100 vial tray	•				•						
	ISS-200, 85 vial tray	•				•						
	ISS-200, 100 vial tray	•				•						
	ISS-225, 205 vial tray	•				•						
	ISS-225, 100 vial tray + 80 vial tray	•				•						
	ISS-225, 85 vial tray	•				•						
	LC 600, 60 vial tray	•				•						
	Clarus 400, 500, 600	•										
Shimadzu	AOC-5000	•			•			•		•		
	AOC-14/1400	•	•	•	•	•	•	•				
	AOC-17	•	•	•	•	•	•					
	AOC-20/20i/20s 150 Pos.Tray	•		•	•	•	•					
	AOC-20/20i/20s 96 Pos. Tray						•					
	LC-20A	•	•	•	•	•	•					
	SIL-2AS	•	•	•	•	•	•					

•⁽¹⁾ : for Turbomatrix 16, 40, 110 produced after 01/09/2006

Autosampler Compatibility Chart cont.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46 23 x 75	23 x 46 23 x 75	28 x 56 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Shimadzu	SIL-6A	•	•	•	•	•	•					
	SIL-6B/SIL-7A/SIL-8A/SIL-9A	•	•	•	•	•	•					
	SIL-10A/SIL-10AF/SIL-10AP/SIL-10Ai/SIL-10AxL/ Rack S 100 Pos.	•	•	•	•	•						
	SIL-10A/SIL-10AF/SIL-10AP/SIL-10Ai/SIL-10AxL/ Rack L 80 Pos.						•					
	SIL-10HTA/SIL-10HTC 140 Pos. Tray	•	•	•	•	•						
	SIL-10HTA/SIL-10HTC 100 Pos. Tray						•					
	SIL-10ADvp	•	•	•	•	•	•					
	HTA 200 H									•	•	
	SIL-20A (Prominence) 105 vial tray/SIL-20AC (Prominence) 70 vial tray	•	•	•	•	•						
	SIL-20A/SIL-20AC (Prominence) 50 vial tray						•					
	LC2010C + LC2010A 140 Pos. Tray	•	•	•	•	•						
	LC2010C + LC2010A 100 Pos. Tray						•					
	ASI-V											•
	HSS-2B					•				•	•	
	SIL 30-ACMP	•		•	•							
	SIL-20AXR/SIL-20ACXR (Prominence) 175 (1-mL vials), 70 (1.5-mL vials), 50 (4-mL vials)	•	•	•	•		•					
	SIL-30AC(Nexera) 175 (1-mL vials), 105 (1.5-mL vials), 50 (4-mL vials)	•	•	•	•		•					
Spark-Holland	Marathon Basic, Standard 96 Pos. Tray	•	•	•	•							
	Midas, Standard 84 Pos. Tray	•	•	•	•			•				
	Midas, Large Capacity 96 Pos. Tray	•	•	•	•							
	Midas, Large Volume 24 Pos. Tray							•				
	Alias	•	•	•	•				•			
	Promis	•	•	•	•							
	SPH 125	•	•		•							
	Triathlon, Standard 96 Tray	•	•	•	•							
	Triathlon, LSV 72 Pos. Tray						•					
	Triathlon, Super-LSV 32 Pos. Tray							•				
	Endurance 48 Pos. Tray	•	•	•	•							
	Reliance 48 Pos. Tray	•	•	•	•							
	Integrity	•	•		•							
	Prospect 2	•	•									
	Reliance/Symbiosis Pharma	•	•									
	Dried Blood Spot (DBS)	•		•	•							
	Integrity	•		•	•							

Autosampler Compatibility Chart cont.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46 23 x 75	23 x 46 23 x 75	28 x 56 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Spark- Holland	Integrity 108 Pos.(2ml) 2 x Plates , Integrity Plus 2 x 108 Pos.(2ml) 4 x Plates	.	.	.	.							
	Optimas	.		.	.							
	Optimas 96 Pos.(2mL) 24 Pos. (10mL)	.	.	.	.					.		
	Alias	.	.	.	.			.				
Teledyne	7000/7000HT/7050								.			
Tekmar	AQUATek 70/SOLATek 72											.
	STS 8000 TOC											.
	HT3								.	.		
Thermo Sci.	AS200	.		.	.							
	AS300	.	.	.	.							
	AS1000 (Trace GC)	.		.	.							
	AS2000 30 vial tray							.				
	AS2000 90 vial tray (Trace GC)	.		.	.							
	AI3000 (II)/AS3000 (II) AS3500 (Trace GC + Focus GC)	.			.			.				
	A200LC	.	.	.	.							
	SpectraSYSTEM AS 1000	.	.	.	.							
	SpectraSYSTEM AS 3000	.	.	.	.							
	SpectraSYSTEM AS 3500	.	.	.	.							
	A200S	.		.	.							
	AS100	.	.	.	.							
	AS800, 42 vial tray	.		.	.							
	AS800, 60 vial tray	.		.	.							
	Dionex AS-AP	.	.	.	.	.						
	Dionex UltiMate WPS-3000	.	.	.	.	.	.					
	Dionex AS 40						.					
	HS250							.				
	HS500							.				
	HS800							.		.		
	HS850							.		.		
	HS2000							.		.		
	TriPlus (=GC PAL) (AS+ Duo)	.		.	.			.		.		
	TriPlus HS							.		.		
	TriPlus SPME							.		.		
	TriPlus RSH	.	.	.	.			.		.		
	TriPlus 300									.		
	HiPerTOC											.
	Surveyor (Surveyor Plus)	.	.	.	.			.				
	Accela High Speed LC Autosampler (200 Pos.)	.	.	.	.							
	Accela Open Autosampler	.	.		.							
	Trace 1300 Series	.	.	.	.	.			.		.	

Autosampler Compatibility Chart cont.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46 23 x 75	23 x 46 23 x 75	28 x 56 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Varian	ProStar 400, Standard 96 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 410, Standard 84 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 410, Large Capacity 96 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 410, Large Volume 24 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 420, Standard 96 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 420, LSV 72 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 420, Super-LSV 32 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	ProStar 430, 48 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	8035	.	.	.	.	.	.	.	.	.	.	.
	8000	.	.	.	.	.	.	.	.	.	.	.
	8400 (100 Pos.)	.	.	.	.	.	.	.	.	.	.	.
	8410-Autoinjector (10 x 2ml; 6 x 5ml; 5 x 10ml)	.	.	.	.	.	.	.	.	.	.	.
	8100	.	.	.	.	.	.	.	.	.	.	.
	8200	.	.	.	.	.	.	.	.	.	.	.
	CP-910, 911, 912	.	.	.	.	.	.	.	.	.	.	.
	CP-940, 941	.	.	.	.	.	.	.	.	.	.	.
	LC 9100/LC 9095/LC 9090	.	.	.	.	.	.	.	.	.	.	.
	Archon	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL (200 Pos. Tray) GC PAL (200 pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL (98 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL (98 Pos. Tray) GC PAL (98 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL SPME mode (98 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL (32 Pos. Tray) GC PAL (32 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	COMBI PAL SPME mode (32 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	Genesis	.	.	.	.	.	.	.	.	.	.	.
	Marathon Basic, Standard 96 Pos. Tray	.	.	.	.	.	.	.	.	.	.	.
	Vista	.	.	.	.	.	.	.	.	.	.	.
	CP-9020/CP-9025	.	.	.	.	.	.	.	.	.	.	.
	CP-9060	.	.	.	.	.	.	.	.	.	.	.
	CP-9010	.	.	.	.	.	.	.	.	.	.	.
	920-LC/940-LC	.	.	.	.	.	.	.	.	.	.	.
VWR(Merck)	L2200 (LaChrom Elite)/L2200-U (LaChrom Ultra)(200 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
Hitachi	L2200 (LaChrom Elite) (128 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	L7200 (LaChrom) (80 Pos. Tray)/L7250(LaChrom) (120 Pos. Tray)	.	.	.	.	.	.	.	.	.	.	.
	L7250 (LaChrom) (Rack Holder for combination Racks)	.	.	.	.	.	.	.	.	.	.	.

Autosampler Compatibility Chart cont.

Manufacturer	Model	Crimp	Crimp/Snap	Screw Thread				Headspace				EPA / VOA
	Vial Diameter (mm)	11	11	8	9	10	13	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	23 x 46	23 x 75	23 x 46 23 x 75	23 x 46 23 x 75	28 x 56 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	24-400
	Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Flat Bottom Tapered Base	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
VWR(Merck)	655-A40 (108 Pos. Tray)		•	•	•							
Hitachi	L-9100		•	•	•							
	AS 2000 (50 Pos. Tray)	•	•	•	•							
	AS 4000 (150 Pos. Tray)	•	•	•	•							
	5210 (Chromaster) 195 Pos. (1 mL), 120 Pos 1.5 mL (Standard), 72 Pos. (4 mL), 2 x MTP (96,384)	•	•	•	•		•					
	AS 6000		•	•	•							
Waters	ACQUITY UPLC System				•		•**					
	Wisp 48 position						•					
	Wisp 96 position											
	717, 96 Position Carousel											
	717, 48 Position Carousel						•					
	Alliance	•	•		•	•						
	Alliance GPC 2000						•	•				
	Alliance HT Syst.	•	•		•	•						
	Alliance 2790/2795	•	•		•	•						
	Acquity Sample Organizer		•		•							
	Acquity/Cap. LC/Waters/Nano Acquity		•		•							
	Alliance 2690/2695	•	•			•						
	Cap LC	•		•	•	•						
	Model 2767					•						
	Model 2777	•		•	•	•						

•**: for 24 Position Plate

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