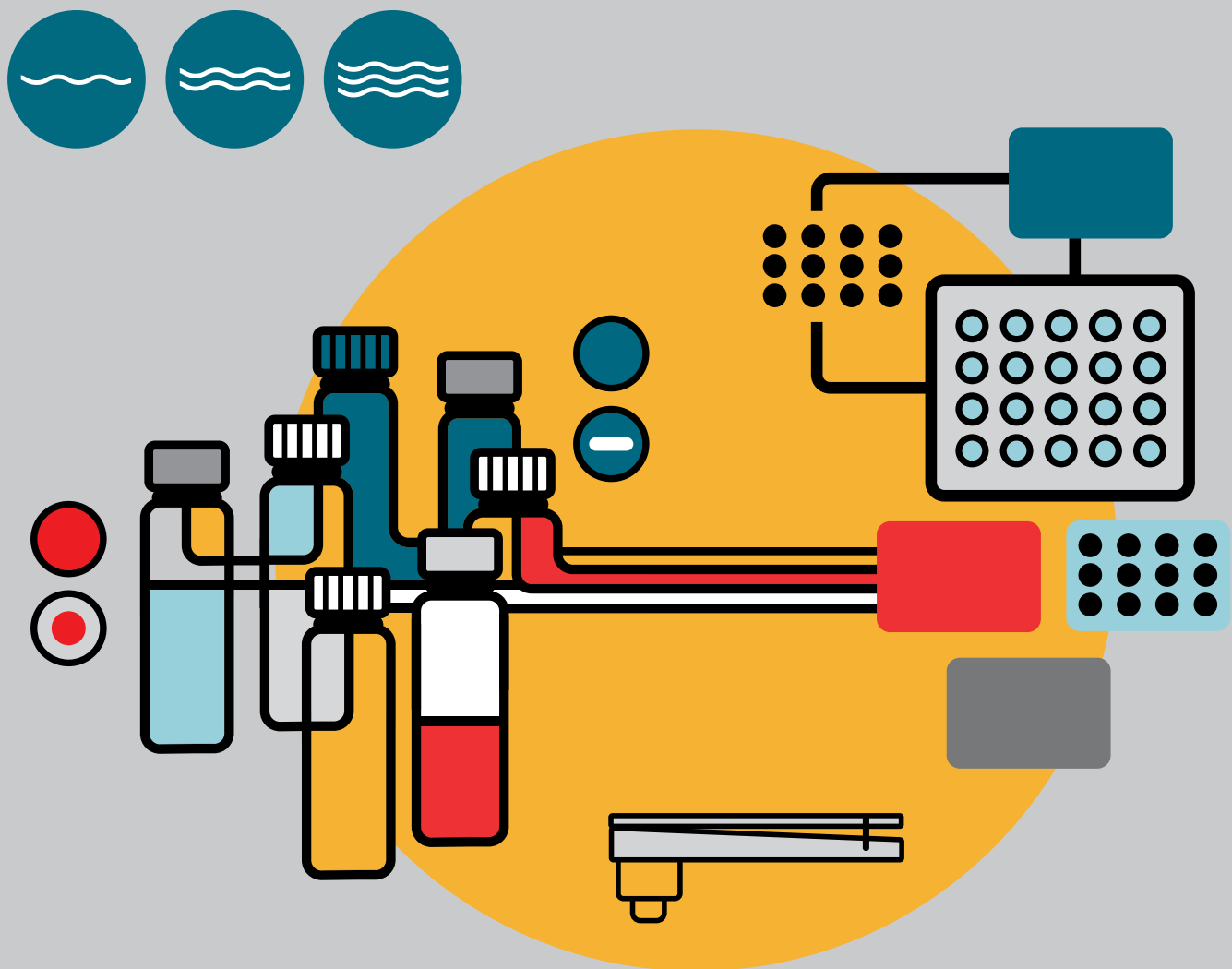
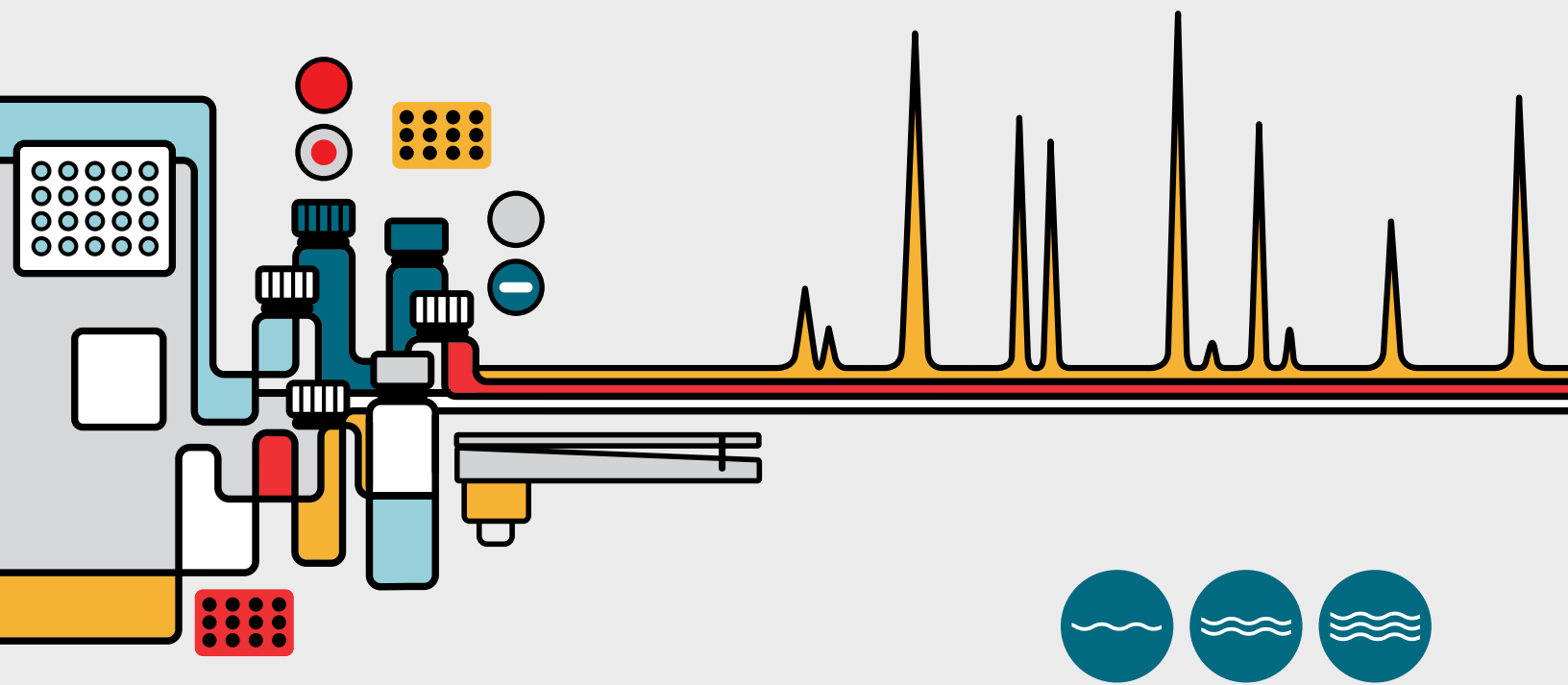




Vials and caps

SureSTART collection

Streamlined choice. Trusted quality.



Introduction

Streamlined choice. Trusted quality. SureSTART vials, caps, inserts, well plates, mats and accessories

Excellence from start to finish

The Thermo Scientific™ SureSTART™ sample handling collection includes a range of sample storage and analytical vials and well plates previously sold under Thermo Scientific™ National™, Thermo Scientific™ Chromacol™ and Thermo Scientific™ Sun-SRi™ product names.

All these products have been transitioned and absorbed into one collection so we can deliver a first-class product experience to our customers from the moment you start your purchasing journey, to provide you with performance, instrument compatibility, affordability and delivery that you need.

We understand that not every experiment or analyte is the same, and that you need products that can meet your performance and pricing requirements. You can find three different waves on most of our glass vials, making it easier for analysts to select the right products.

With the SureSTART collection, we ensure that no HPLC/UHPLC or GC system gets left behind. Our vials and well plates are suitable for standard instruments from all vendors, streamlining and simplifying your stockroom—and your budget.

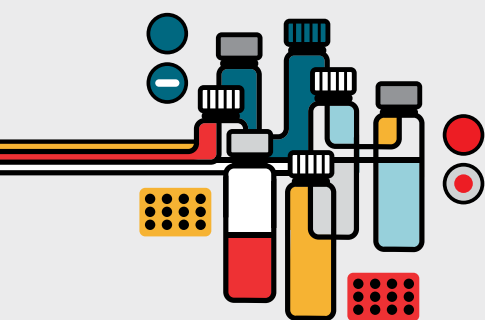


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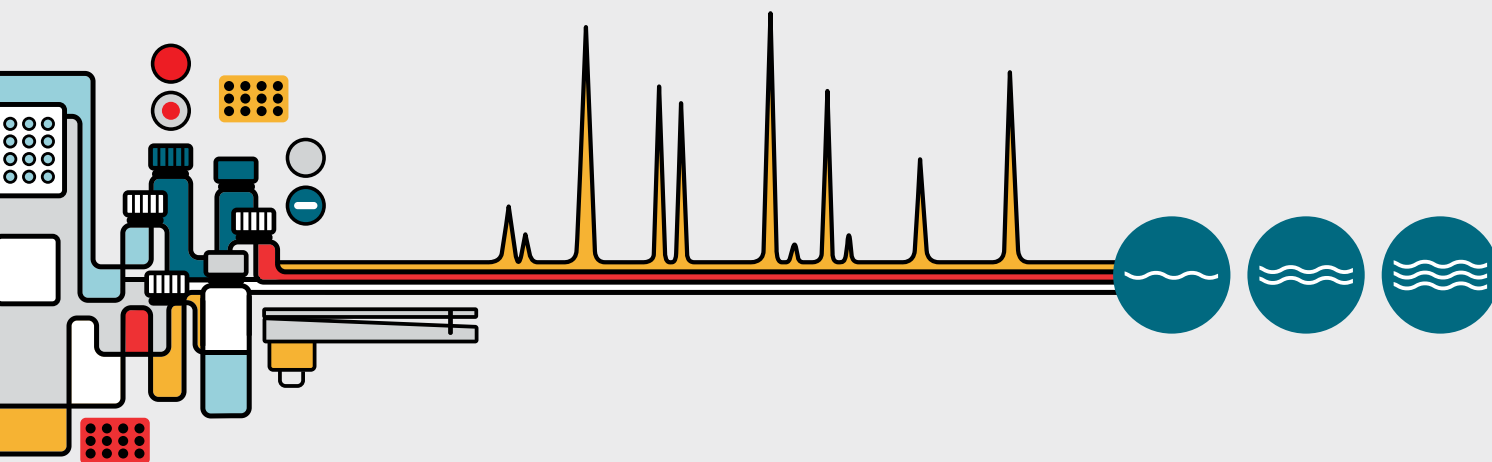
Why choose Thermo Scientific SureSTART collection?

Five main benefits to you		More ways to master your testing
	Assured quality and performance	Need standards of quality and performance? Our SureSTART collection has you covered, ensuring you can meet regulatory requirements.
	Instrument compatibility	Our collection contains a broad selection of products to provide complete compatibility for add-on and integrated chromatography autosamplers.
	Sample security and low compound adsorption	Protect your samples from being affected by pH shifting, adducting or contamination, and prevent analyte loss from either the cap top or analyte adsorption to the glass surface.
	Better product experience	Our SureSTART collection is segmented into three different Performance levels, with visual waves on each glass vial to ensure you always select the right product for your experiment, every time.   
	Power to extend your consumables budget	We offer several ways to realize extra value and extend your budget, including built-in bulk discounts—the more you buy, the more you save.   



SureSTART Performance levels

Greater choice for what matters most



We are committed to providing a broad selection of solutions for all your chromatography and sample storage requirements.

Our vials and autosampler well plates are consistently manufactured with the lowest levels of extractables and leachables. They are also made from glass that has the lowest compound adsorption, and plastic that is tested and approved for analytical use.

We have high level of standards and certification available in the marketplace so that you can obtain highly reproducible data.

Whether you have routine samples, or you need to ensure high level of confidence and compliance, our market-leading collection of storage and autosampler vials, well plates and sample handling accessories has everything you will need

One collection. Three Performance levels. All from one trusted source.

Want to
learn more?



Watch this short video

to learn how two products can support you with improving your results.

Analytical performance requirements

Products	Detector type	Description
 Thermo Scientific™ SureSTART™ Performance level 1 products	Non-MS	Suitable for QA/QC applications using core detectors, e.g., UV/Vis, PDA, RI, ELSD, FLD, FID, NPD, ECD, TCD, or FPD. Compound concentrations are at easily detectable levels.
 Thermo Scientific™ SureSTART™ Performance level 2 products	MS	Suitable for routine QA/QC applications using MS technology. Compound concentrations are at easily detectable or low levels of detection.
 Thermo Scientific™ SureSTART™ Performance level 3 products	MS	Suitable for challenging applications, and research-focused applications, using MS technology. Compound concentrations are at/near the method detection limit.



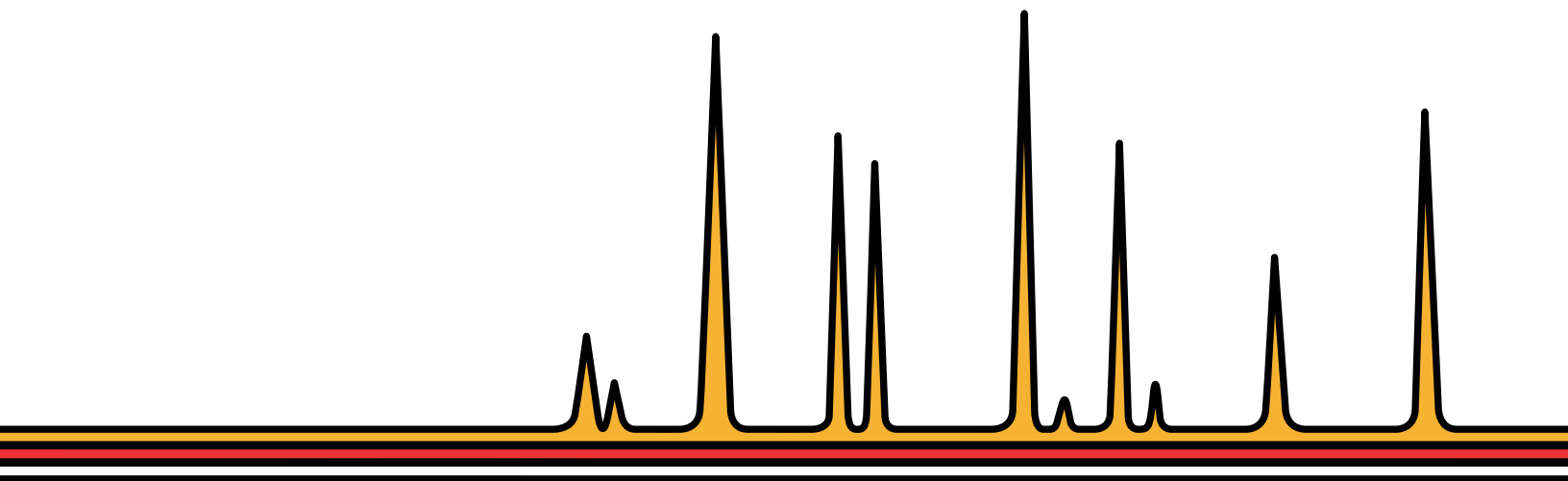
Performance level 1
Everyday analysis:
Chromatography approved



Performance level 2
High throughput:
Robust and reproducible



Performance level 3
High performance:
Selective and sensitive



Selection guide for vials and well plates

Which SureSTART product/Performance level is right for you?

There are several factors to consider when choosing a vial or well plate for your application. This section will help guide you through this process to determine which combination is most suitable for your application requirements



Need a quick answer?

Why not use our online product selector guide that includes our entire SureSTART collection of vials, caps, well plates and mats.



Already purchasing a product?

Let our selection guide tool find the equivalent SureSTART product/catalog number for you.



Search All 

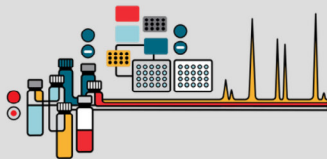
Search by catalog number, product name, keyword, application



Order Status Quick Order Sign in  

SureSTART™ Selection Guide

Selecting your vial and well plate has never been easier.



1

2

Selection guide

Find your vial



Find your SureSTART solution

Find the perfect sample handling solution for your application in only a few clicks



Search by application

Search for the best SureSTART solution for your application



Search by equivalence or compatibility

Search for an equivalent or better performance product to other vendors or older ThermoFisher Scientific brands. Also search for compatible vials, caps, plates and mats to ThermoFisher Scientific products.



Choosing your vials and inserts

The chart below provides a quick guide to selecting the right vial/insert and material for your experimental and application requirements

Performance			Sample volume		
Non-MS Compound levels not challenging	MS Compound levels at relatively low levels	MS Compound levels near method detection limit or for research analysis	Not sample limited	Volumes vary	Limited
					
SureSTART Performance level 1 General purpose: chromatography approved	SureSTART Performance level 2 high-throughput: for applications requiring robust and reproducible results High-throughput: for applications requiring robust and reproducible results	SureSTART Performance level 3 High performance: for applications requiring high selectivity and sensitivity	2 mL vial SureSTART Performance level 1, 2 and 3	High recovery vial Total recovery vial SureSTART Performance level 3	Thermo Scientific™ SureSTART™ Polyspring Inserts (self-aligning) Pulled insert (economical choice) Fused insert vial 2 mL vial with separate inserts SureSTART Performance level 2 and 3

Compound polarity			Compound volatility		Compound stability	
Non-polar Mid-polar	Polar	Highly polar	Volatile	Non-volatile	Light-stable	Light-sensitive
						
Glass vials SureSTART Performance level 1, 2 and 3	*GOLD-Grade glass SureSTART Performance level 3	*Silanized glass vials *Thermo Scientific™ SureSTART™ GOLD-Grade Polypropylene Vials When low levels of inorganic are required and for solvent stability SureSTART Performance level 1 (PP), 2 and 3 (silanized)	Crimp top vial *Thermo Scientific™ SureStop™ Vial Screw thread vial Headspace vials	Screw thread vial Snap-It vial Crimp top vial	Clear vials	Amber vials

*These products can be found in SureSTART Performance level 3

**Not recommended for GC applications

Choosing your septa

The chart below provides a quick guide to selecting the right septa material type for your experimental and application requirements.

Multiple injection?	Temperature?			Thin, fragile needle?	Blunt, thick needle?	Critical analysis?	Low coring?
Good resealability required	-40 °C to 120 °C	-40 °C to 110 °C	-60 °C to 200 °C	Soft and thin septa required	Pre-slit/pre-cut liner as penetration aid (HPLC)	Very clean liner required/ low-extractables	Double-sided polytetrafluoroethylene (PTFE) laminated liners required
							
Silicone/PTFE natural rubber/ ethylene tetrafluoroethylene (TEF)	Natural rubber/ TEF Butyl/PTFE	Red rubber/ PTFE	Silicone/PTFE	Silicone/PTFE	Silicone/PTFE, Pre-slit septum	Silicone/PTFE	PTFE/silicone/ PTFE

Choosing your well plates and mats

Selecting the perfect Thermo Scientific™ WebSeal™ Plate+ Well Plates and Thermo Scientific™ WebSeal™ Well Plates and Mats for your chromatography requirements is easy using our selector tools and resources.

Performance requirements			Compound polarity		Sample availability		
Compound levels not challenging	Compound levels not challenging/relatively low levels	Compound levels at/near method detection limit	Water and polar	Hydrophobic (e.g., proteins and peptides)	Unlimited	Limited	Very limited
↓	↓	↓	↓	↓	↓	↓	↓
WebSeal Plastic, chromatography tested	WebSeal certified products Plastic, MS tested	WebSeal Plate+ Glass-coated plates Plate with glass inserts	WebSeal plastic and certified	WebSeal Plate+ Glass-coated plates Plate with glass inserts	Flat bottom Where sample volume is high	U-bottom Where sample volume is low	V-bottom Where sample volume is very low

Microtitre: 14-16 mm (also referred to as microwell and standard well plate)
Mid well plate: 20-41 mm
Deep well plate: >44 mm

Autosampler compatibility					
Agilent	CTC (PAL)	Thermo Scientific™ TriPlus™ RSH Autosampler*	Shimadzu	Thermo Scientific™ Vanquish™ (U)HPLC System**	Waters ACQUITY
↓	↓	↓	↓	↓	↓
Microtitre plate Mid well plate Deep well plate					Mid well plate

*TriPlus RSH with 6-drawer stack can accommodate 24 microtitre 15.5 mm plates microtitre well plate

**Barcoded plates for complete orientation



Examples of microtiter, mid well and deep well plates shown above

Learn more about the well plate terms:

- Microtitre (also known as microwell and standard well plate): 14–16 mm
- Mid well plate: 20–41 mm
- Deep well plate: >44 mm

Certified integrity and consistency



With over 40 years of experience supplying vial and well plates, Thermo Scientific SureSTART certified products are supplied to meet 'critical to quality' specifications, consistently. SureSTART products are produced in compliance with ISO 9001 requirements.

In addition, SureSTART certified products include:

- Glass vials made from First Hydrolytic Type 1 A borosilicate glass, which conforms to U.S Food and Drug Administration (FDA), US and EU pharmacopoeias standards
- Chemically and thermally resistant well plates are made of high quality materials
- Our autosampler WebSeal well plates all conform to ANSI SLAS 4-2004 standards
- In-line opto-electronic testing inspects 100% of all key dimensions
- Our well plates are chromatography tested for solvent compatibility and inertness to ensure your data quality is not compromised
- Packaged in material that has been tested and selected for cleanliness
- Subjected to rigorous end-of-line sampling and quality control procedures to ensure all vials remain within specification
- Most glass vials come with a non-removable write-on patch convenience and ease-of-use
- Patented products, such as Thermo Scientific™ AVCS™ (Advanced Vial Closure System) caps designed to minimize sample evaporation
- Products produced and/or packed in a clean environment to reduce contamination
- Glass vials which are available deactivated/silanized

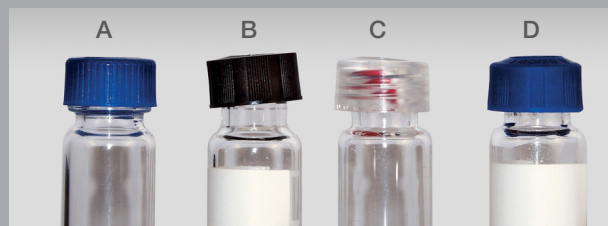
AVCS caps and SureStop vials

The next-generation of sample handling

The patented Thermo Scientific™ SureStop and AVCS technology is designed to remove subjectivity around achieving the optimal closure compression when closing a vial. As an integral component of AVCS technology, SureStop vials offer the sealing and performance characteristics of a crimp top vial and the versatility and convenience of a screw thread vial. This is achieved by incorporating a definite stop point into the design of the vial finish, preventing over tightening of the closure.

Compatible with all LC and GC autosamplers, our SureStop vials with our AVCS caps:

- Effectively closures every time
- Obtain cleaner spectra
- More consistent data for GC and LC applications
- Reduce instrument downtime and ensure sample throughput
- Standardize your stockroom



Examples of vial and closure misalignment/deformation

(A) SureStop vial self aligning cap

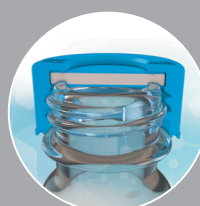
(B) generic vial, cap tilt

(C) generic vial, septum dislodged

(D) generic vial, deformed top



Cap tilt and septum displacement due to over tightening



SureStop provides optimal cap positioning

Performance level 1: Everyday analysis

Chromatography approved

Meet your chromatographic needs

Choose the right vial for chromatographic analyses. Thermo Scientific SureSTART Performance level 1 products are designed for everyday chromatography analysis. They provide an affordable choice for use with all gas chromatography (GC) and high-performance liquid chromatography (HPLC)/ultra-high-performance liquid chromatography (UHPLC) instrument types.

If you are verifying compound presence and quantification using detection techniques such as Ionization Detector (FID), Nitrogen-Phosphorus Detector (NPD), Electron Capture Detector (ECD), Thermal Conductivity Detector (TCD), or Flame Photometric Detector (FPD), our Performance level 1 products are the perfect solution for you—select the products with the one wave.

Within Performance level 1 you will find a selection of vials (glass, plastic, <2 mL, 2 mL and headspace) and Specification-certified convenience kits.

You can also find a great selection of standard and bonded caps to support robotic autosamplers within this Performance level.

Need stoppers? These can also be found within this Performance level.

Vials	Caps
<2 mL PP* screw fixed-insert vials	9 mm screw caps
2 mL glass screw vials	
2 mL glass crimp vials	11 mm crimp caps
<2 mL PP snap fixed-insert vials	11 mm snap caps
Plastic inserts	—
20 mL glass crimp headspace vials	20 mm crimp caps
2.5 mL PP screw vials	—
20 mm stopper	—
Specification-certified kits	—
Storage	—

* Polypropylene (PP)

Performance level 1

for everyday analyses

- Packaged in material that has been tested and selected for cleanliness
- All products within this performance level are suitable for use with GC and HPLC/UHPLC
- Headspace vials and caps available in 20 mL options
- Vials are identified by one wave and a convenient write-on patch as standard
- Vials and caps available as screw, snap and crimp
- Vials available as clear or amber glass and as either glass or plastic
- Vial volume sizes ranging from 0.3 mL to 20 mL covering limited sample volumes to headspace analyses
- Caps come in a choice of PP, aluminum and magnetic steel caps with silicone/PTFE, rubber/TEF, or butyl/PTFE septa
- Use Thermo Scientific™ manual or electronic crimpers and decrimpers for easy application and removal of crimp caps
- Buy vials and caps in bulk for greater savings

Specification-certified

- All SureSTART vials are dimensionally verified to ensure autosampler compatibility
- Automated optical and gauge inspection to ensure critical dimensions and tolerances
- Vials meet all relevant requirements of USP (US), EP (EU), and JP (Japan) pharmacopoeias
- Uniform and defect-free

Lot traceable

- 100% traceable through the manufacturing process
- Certificate of conformance (CoC) available by lot number upon request



Screw vials and associated caps

(<2 mL – 2 mL vials, 9 mm caps)

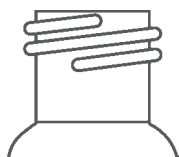
<2 mL polypropylene screw vials

Performance level 1 for everyday analysis

Description

- Short thread screw
- 12 mm x 32 mm (diameter x height)
- No marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw caps



Key attributes	Suitable for PFAS analysis Fixed insert	Suitable for PFAS analysis	Suitable for PFAS analysis
Vial color and material	Clear PP	Clear PP	Amber PP
Total volume	0.4 mL	1.5 mL	1.5 mL
Usable volume	0.3 mL	1.0 mL	1.0 mL
Residual volume	4 µL	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.	
100/pack 	6ESV9-04PP	6ESV9-1PP	C4000-12
10 x 100/pack 	6ESV9-04PPT	6ESV9-1PPT	-
50 x 100/pack 	6ESV9-04PPF	6ESV9-1PPF	-



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

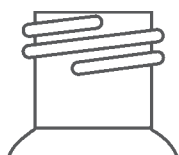
2 mL glass screw vials

Performance level 1 for everyday analysis

Description

- Short thread screw
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL
Usable volume	1.5 mL	1.5 mL
Residual volume	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	CHSV9-10P	CHSV9-20P
10 x 100/pack 	CHSV9-10PT	CHSV9-20PT
50 x 100/pack 	CHSV9-10PF	CHSV9-20PF



Screw vials and associated caps (continued)

(>2 mL vials, 9 mm caps)

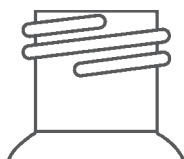
2.5 mL polypropylene screw vials

Performance level 1 for everyday analysis

Description

- 15 mm × 45 mm mm (diameter × height)
- 13 mm/13-425 screw thread
- High recovery base
- No marking spot
- Specification-certified

For use with 13 mm screw caps



Vial color and material	Clear PP
Total volume	2.5 mL
Usable volume	2 mL
Residual volume	15 µL
Ordering information	Cat. no.
100/pack 	C4015-14



Screw vials and associated caps (continued)

(>2 mL vials)

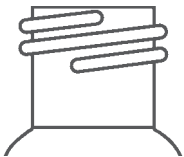
3.5 mL screw vials

Performance level 1 for everyday analysis

Description

- 13 mm/13-425 screw thread
- 15.25 mm × 45 mm (diameter x height) high recovery internal base
- Specification-certified

For use with 13 mm screw caps



Vial color and material	Clear glass
Total volume	3.5 mL
Usable volume	3.0 mL
Residual volume	15 µL
Ordering information	Cat. no.
100/pack 	C4015-9



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

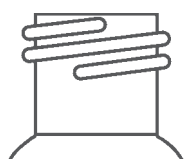
9 mm screw caps

Performance level 1 for everyday analysis

Description

- Short thread screw
- 9 mm
- Specification-certified

For use with <2 mL and 2 mL screw vials



Key attributes	AVCS	AVCS	AVCS	Pre-slit septum	Suitable for PFAS* analysis, AVCS
Cap color and material	Blue PP	Blue PP	Blue PP	Blue PP	Clear PP
Septum color and material	Red natural rubber/ clear TEF	Red rubber/ ivory PTFE	White silicone/red PTFE	White silicone/blue PTFE	Integral PP septum, thinned penetration area
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm	N/A
Septum hardness	60° shore	45° shore	45° shore	55° shore	N/A
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	CHSC9-10	CHSC9-20	CHSC9-30	CHSC9-40	6ESC9-50
10 x 100/pack	CHSC9-10T	CHSC9-20T	CHSC9-30T	CHSC9-40T	-
50 x 100/pack	CHSC9-10F	CHSC9-20F	CHSC9-30F	CHSC9-40F	-

* Per- and polyfluoroalkyl substances (PFAS)



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

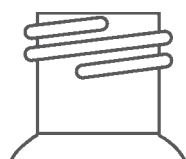
9 mm screw caps (continued)

Performance level 1 for everyday analysis

Description

- Short thread screw
- 9 mm
- Specification-certified

For use with <2 mL and 2 mL screw vials



Key attributes	-	Pre-slit septum	-	Pre-slit septum	Integrated septum
	Bonded	Bonded	Bonded	Bonded	AVCS
Cap color and material	Blue PP	Blue PP	Blue PP	Blue PP	Blue PP
Septum color and material	White silicone/ red PTFE	White silicone/ red PTFE	White silicone/ white PTFE	White silicone/ white PTFE	Polypropylene; integral septum
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm	N/A
Septum hardness	45° shore	45° shore	45° shore	45° shore	N/A
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	CHSC9-30UB	CHSC9-30UBS	CHSC9-35UB	CHSC9-35UBS	C5000-50B
10 x 100/pack	-	-	CHSC9-35UBT	CHSC9-35UBST	-
50 x 100/pack	-	-	CHSC9-35UBF	CHSC9-35UBSF	-



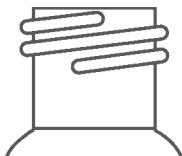
Screw vials and associated caps (continued)

(13 mm caps)

13 mm screw caps

Performance level 1 for everyday analysis

Description
- Screw thread closure (13 mm/13-425) - Specification-certified
For use with 4 mL screw vials (and other vials with 13-425 screw thread dimensions)



Key attributes	Open top	Integrated septum
Cap color and material	Black PP	Clear PP
Septum color and material	No septa included	Thinned penetration line/PP
Ordering information	Cat. no.	Cat. no.
100/pack 	C4015-1A	C4015-5A



Crimp vials and associated caps

(2 mL, 11 mm caps)



Seal these crimp vials with 11 mm aluminum crimp caps and septa using a manual or electronic crimper tool.

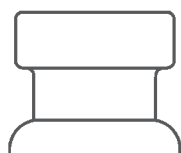
2 mL glass crimp vials

Performance level 1 for everyday analysis

Description

- Crimp closure (11 mm)
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- Specification-certified

For use with 11 mm crimp caps



Vial color and material	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL
Usable volume	1.5 mL	1.5 mL
Residual volume	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	CHCV11-10P	CHCV11-20P
10 x 100/pack 	CHCV11-10PT	CHCV11-20PT
50 x 100/pack 	CHCV11-10PF	CHCV11-20PF



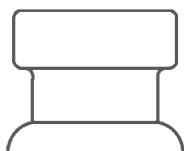
Crimp vials and associated caps (continued)

(2 mL, 11 mm caps)

11 mm crimp caps

Performance level 1 for everyday analysis

Description
• Crimp closure (11 mm) • Specification-certified
For use with <2 mL and 2 mL crimp vials, or <2 mL and 2 mL snap vials
Use with 11 mm crimpers and decrimpers



Cap color and material	Silver aluminum	Silver aluminum
Septum color and material	Natural rubber/clear TEF	White silicone/red PTFE
Septum thickness	1.0 mm	1.3 mm
Septum hardness	60° shore	45° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	CHCC11-10	CHCC11-30
10 x 100/pack 	CHCC11-10T	CHCC11-30T
50 x 100/pack 	CHCC11-10F	CHCC11-30F

Learn more about:

Manual and electronic crimpers and decrimpers





Snap vials and associated caps

(<2 mL vials, 11 mm caps)

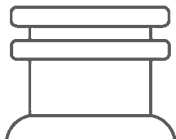
<2 mL polypropylene snap fixed-insert vials

Performance level 1 for everyday analysis

Description

- Snap (11 mm)
- 12 mm x 32 mm (diameter x height)
- No marking spot
- Specification-certified
- These vials can be used for PFAS analysis

For use with 11 mm snap or crimp caps



Key attributes	Suitable for PFAS analysis	Suitable for PFAS analysis
Vial color and material	Clear PP, conical	Clear PP, conical
Total volume	0.3 mL	0.6 mL
Usable volume	0.2 mL	0.4 mL
Residual volume	4 µL	4 µL
Ordering information	Cat. no.	
100/pack 	6ERV11-03PPC	-
1x 1000/pack 	6ERV11-03PPCT	500 102
50 x 100/pack 	6ERV11-03PPCF	-



Snap vials and associated caps (continued)

(<2 mL vials, 11 mm caps)

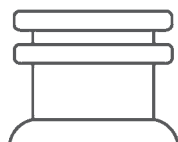
<2 mL polypropylene snap fixed-insert vials (continued)

Performance level 1 for everyday analysis

Description

- Snap (11 mm)
- 12 mm × 32 mm (diameter × height)
- No marking spot
- Specification-certified
- These vials can be used for PFAS analysis

For use with 11 mm snap caps



Key attributes	Suitable for PFAS analysis	Suitable for PFAS analysis
Vial color and material	Clear PP, conical	Clear PP, flat bottom
Total volume	0.8 mL	1.0 mL
Usable volume	0.6 mL	0.8 mL
Residual volume	6 µL	80 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ERV11-08PPC	6ERV11-08PPFB
10 x 100/pack 	6ERV11-08PPCT	6ERV11-08PPFBT
50 x 100/pack 	6ERV11-08PPCF	6ERV11-08PPFBF



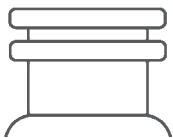
Snap vials and associated caps (continued)

(<2 mL vials, 11 mm caps)

11 mm snap caps

Performance level 1 for everyday analysis

Description
- Snap closure (11 mm) - Specification-certified - Does not re-seal after puncture - These caps can be used for PFAS analysis
For use with 11 mm snap vials



Key attributes	Suitable for PFAS analysis	Suitable for PFAS analysis
Cap color and material	Blue PE snap cap with integral PE membrane	Clear PE snap cap with integral PE membrane
Septum color and material	Integral septum	Integral septum
Ordering information	Cat. no.	Cat. no.
100/pack 	6ERC11PE	6ERC11PEC



Plastic inserts (2 mL vials)

Need more
information about
which insert is most
suitable for you?



Watch this
short video

Plastic inserts for 2 mL vials

Performance level 1 for everyday analysis

Description

- 6 mm × 31 mm (diameter × height) (size × height) conical with polyspring base
- No marking spot but filling lines
- Specification-certified
- This insert can be used for PFAS analysis

For use with 2 mL screw vials, 2 mL snap vials or 2 mL crimp vials



Key attributes	Suitable for PFAS analysis
Insert color and material	Clear PP with clear PP polyspring
Total volume	0.30 mL
Usable volume	0.25 mL
Residual volume	4 µL
Ordering information	Cat. no.
100/pack 	6EME03CPPSP
10 x 100/pack 	6EME03CPPSPT
50 x 100/pack 	6EME03CPPSPF

Learn more about:



2 mL glass
screw vials



2 mL glass
crimp vials



2 mL glass
snap vials





Headspace vials and associated caps

(20 mL vials, 20 mm caps)

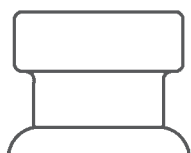
20 mL glass crimp headspace vials

Performance level 1 for everyday analysis

Description

- Crimp
- 22.5 mm × 75.5 mm (diameter × height) square rim
- Marking spot
- Specification-certified

For use with 20 mm crimp caps



Vial color and material	Clear glass, round bottom base	Clear glass, flat bottom base
Total volume	20 mL	20 mL
Usable volume	18 mL	20 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
100/pack 	CHCV20-14	CHCV20-16
10 x 100/pack 	CHCV20-14T	-



Headspace vials and associated caps (continued)

(20 mL vials, 20 mm caps)

20 mm crimp caps

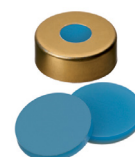
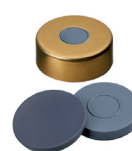
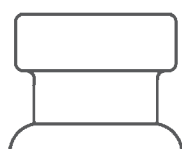
Performance level 1 for everyday analysis

Description

- Crimp closure (20 mm)
- Specification-certified

For use with 10 mL and 20 mL crimp headspace vials (with diameter neck size of 20 mm)

Use with 20 mm crimpers and decrimpers



Cap color and material	Silver aluminum	Silver aluminum	Silver aluminum	Gold magnetic steel	Gold magnetic steel
Septum color and material	Molded	-	-	Molded	-
	Grey butyl/ grey PTFE	Blue silicone/ white PTFE	-	Grey butyl/ grey PTFE	Blue transparent silicone/clear PTFE
Septum thickness	3.0 mm	3.0 mm	-	3.0 mm	3.0 mm
Septum hardness	50° shore	45° shore	-	50° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	CHCC20-1	CHCC20-2	-	CHCC20-1M	CHCC20-2M
10 x 100/pack 	CHCC20-1T	CHCC20-2T	6ECC200T	CHCC20-1MT	CHCC20-2MT
50 x 100/pack 	CHCC20-1F	CHCC20-2F	-	-	-

Learn more about:

Manual and electronic crimpers and decrimpers





Stoppers and septa

20 mm stoppers and septa

Performance level 1 for everyday analysis

Description

- Specification-certified

For use with vials with diameter neck size of 20 mm (e.g. 10 mL/20 mL crimp vials)



Product description	Stopper (20 mm)	Septum	Septum
Color and material	Grey bromobutyl	Black butyl molded	Grey butyl/black PTFE
Septum thickness	3.0 mm	3.0 mm	3.0 mm
Septum hardness	45° shore	52° shore	52° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	CHBS-20	-	-
1 x 1000/pack 	CHBS-20T	20-CB3	20-CBT3
50 x 100/pack 	CHBS-20F	-	-



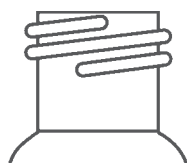
Specification-certified kits

Specification-certified shell, screw vial and cap kits

Performance level 1 for everyday analysis

Description

- 9 mm screw vial with 9 mm cap
- Specification-certified



Vial color and material	Clear PP	Clear PP	Clear PP
Vial total volume	0.4 mL	0.4 mL	0.4 mL
Cap color and material	Blue PP screw cap	Blue PP screw cap	Black PP screw cap bonded
Septum color and material	White silicone/blue PTFE, Pre-slit septum	White silicone/red PTFE	White silicone/red PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6EKPP97	6EKPP87	C5000-387
Kit includes	Cat. no.	Cat. no.	Cat. no.
Kit vial	6ESV9-04PP	6ESV9-04PP	6ESV9-04PP
Kit closure	CHSC9-40	CHSC9-30	6PSC9STB1



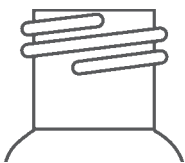
Specification-certified kits (continued)

Specification-certified shell, screw vial and cap kits (continued)

Performance level 1 for everyday analysis

Description

- Screw thread kits
- 9 mm short thread
- Specification-certified



Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Vial total volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL
Cap color and material	Blue PP	Blue PP	Blue PP	Blue PP
Septum color and material	White silicone/red PTFE	White silicone/red PTFE	White silicone/blue PTFE; Pre-slit septum	White silicone/blue PTFE; Pre-slit septum
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	CHCK9-10PVT	CHCK9-20PVT	CHCK9-40PVT	CHCK9-50PVT



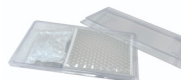
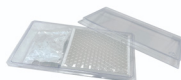
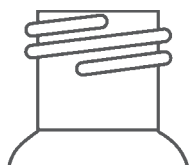
Specification-certified kits (continued)

Specification-certified shell, screw vial and cap kits (continued)

Performance level 1 for everyday analysis

Description

- Screw
- 9 mm short thread
- Specification-certified
- These kits are suitable for PFAS analysis



Key attributes	Suitable for PFAS analysis	Suitable for PFAS analysis	-	-
Vial color and material	Clear PP snap vial	Clear PP screw vial	Clear glass shell vial	Amber glass shell vial
Vial total volume	0.8 mL	1.5 mL	1.25 mL	1.25 mL
Cap color and material	Blue polyethylene snap cap	Clear PP screw cap	Lamela PE plug	Lamela PE plug
Septum color and material	Integral PE septum	Integral PP septum	-	-
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6EKRV11PP-08	6EKSV9PP-15	-	-
200/pack	-	-	6EKSHV8-1	6EKSHV8-2
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6ERV1108PPFB	6ESV9-1PP	-	-
Kit closure	6ERC11PE	6ESC9-50	-	-



Specification-certified kits (continued)

Specification-certified shell, screw vial and cap kits (continued)

Performance level 1 for everyday analysis

Description

- Specification-certified



Vial color and material	Clear PP shell vial	Clear PP shell vial	Clear glass shell vial	Clear glass shell vial	Clear glass shell vial
Vial total volume	1.0 mL	4.0 mL	1.0 mL	1.25 mL	4.0 mL
Cap color and material	PE sepcap	PE sepcap	PE plug	N/A	PE sepcap
Vial dimensions (diameter x height)	8 x 40 mm	15 x 45 mm	8 x 35 mm	8 x 40 mm	15 x 45 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	-	C4015-47P	-	-	C4015-48
250/pack 	C4015-95P	-	-	-	-
500/pack 	-	-	-	1-NWV	-
1000/pack 	-	-	C4008-50	-	-



Classical (8-425 screw thread) vials, caps and kits

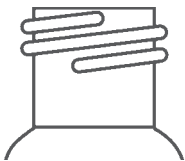
Classical 8 mm/8-425 screw thread vials

Performance level 1 for everyday analysis

Description

- Classical 8 mm/8-425 screw thread
- Narrow neck opening
- 12 mm × 32 mm (diameter × height) flat bottom base
- Specification-certified

For use with 8 mm screw caps



Key attributes	Fixed conical insert	Conical tapered insert	Mandrel insert	High-recovery insert
Vial color and material	Clear PP	Clear PP	Clear PP	Clear PP
Vial total volume	0.3 mL	0.6 mL	0.5 mL	0.75 mL
Usable volume	0.25 mL	0.4 mL	0.3 mL	0.67 mL
Residual volume	4 µL	3 µL	2 µL	8 µL
Ordering information	Cat. no.		Cat. no.	Cat. no.
100/pack 	C4013-11	-	-	-
1000/pack 	-	500 114	200 264	C4013-13



Classical (8-425 screw thread) vials, caps and kits (continued)

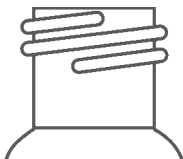
Classical 8 mm/8-425 screw thread caps (continued)

Performance level 1 for everyday analysis

Description

- Screw thread closure (8 mm/8-425)
- Specification-certified

For use with 2 mL screw vials (and other vials with screw 8 mm/8-425 dimensions)



Key attributes	Open top flange	Thinned penetration area	Thinned penetration area
Cap color and material	Black PP	Yellow PE	Clear PE
Septum color and material	Septum not included	Integral septum	Integral septum
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	-	-	C4013-5A
1000/pack	500 292	500 206	-



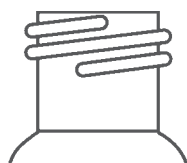
Classical (8-425 screw thread) vials, caps and kits (continued)

Classical 8 mm/8-425 screw thread vial and cap kit (continued)

Performance level 1 for everyday analysis

Description

- Screw thread closure (8 mm/8-425)
- Narrow opening
- Specification-certified



Key attributes	Suitable for PFAS
	Thinned penetration area
	Fixed conical insert
Vial color and material	Clear PP
Vial total volume	0.6 mL
Cap color and material	Yellow PP
Septum color and material	Integral septum
Ordering information	Cat. no.
100/pack 	C4015-100



Caps and vial racks

Performance level 1 for everyday analysis

Description

- 8 mm snap cap
- Specification-certified

For use with 8 mm crimp/snap vials



Key attributes	Thinned penetration area
Cap color and material	Clear PE
Septum color and material	Integral septum, PE
Ordering information	Cat. no.
100/pack 	8-PEC1



Caps and vial racks (continued)
Performance level 1 for everyday analysis

Description
20 mm for 20-400 screw thread vials - Specification-certified
For use with 20-400 screw thread vials



Key attributes	Open top
Cap color and material	Black PP
Septum color and material	Septum not included
Ordering information	Cat. no.
100/pack	B7807-20



Caps and vial racks (continued)

Performance level 1 for everyday analysis

Description
- For 12 × 32 mm vials 50 cavities (5 × 10) - No lid, reusable 20 × 10.5 × 2.2 cm (height × width × depth)

Use with 2 mm vials



Product description	Vial rack
Color and material	Blue PP
Ordering information	Cat. no.
1/pack 	6EVR1232B

Performance level 2: High-throughput analysis

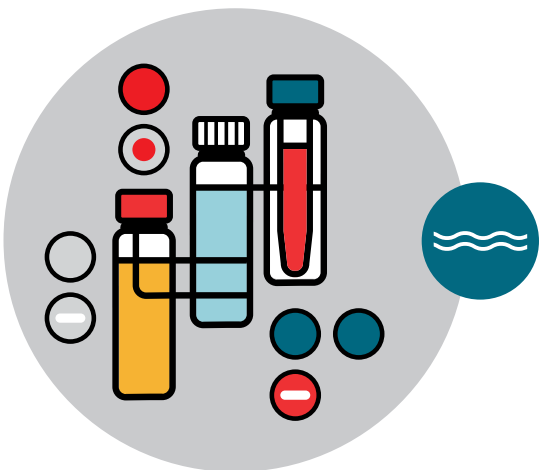
When robustness and reproducibility are key

Be compliant-ready for your high-throughput samples in regulated environments

Choose Thermo Scientific SureSTART Performance level 2 products to ensure high quality data with an uninterrupted workflow in high throughput applications using GC, HPLC/UHPLC, single or triple quadrupole MS systems. Use these Performance level 2 vials for routine QA/QC applications, where the analyte levels are achievable or close to the method detection level. These products have very low metal content and extractables and leachables and conform to high standards so that you can meet your regulatory requirements. They are Specification-certified to ensure their physical dimensions and autosampler compatibility.

If you need products that support routine analyses, our Performance level 2 products are here for you. Select the products with the two waves.

Within Performance level 2 you will find a selection of kits (including our range of U.S. Environmental Protection Agency (EPA) and Scintillation), vials, caps, inserts, septa and stoppers.



Performance level 2

for high-throughput applications

- All products within this Performance level are suitable for GC, HPLC/UHPLC, and mass spectrometry (MS) applications
- Volume sizes ranging from 0.3 mL to 20 mL covering limited sample volumes to headspace analyses
- Headspace vials and caps available from 10 mL – 20 mL
- Vials are identified by two waves and a convenient write-on patch as standard
- Vials available as screw, snap and crimp
- Vials available in glass, silanized glass and plastic
- Vials available as clear or amber glass
- Caps available as screw, screw AVCS, snap and crimp
- Use Thermo Scientific manual or electronic crimpers and decrimpers for easy application and removal of crimp caps
- EPA, scintillation and specification-certified kits are available under Performance level 2
- Buy vials and caps in bulk for greater savings

Specification-certified

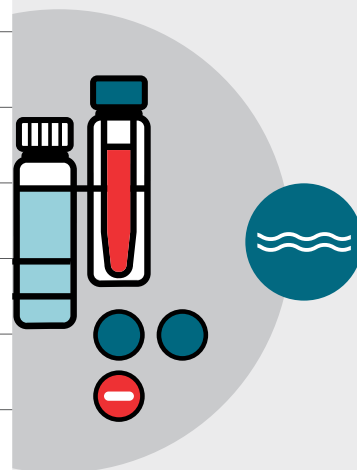
- All Thermo Scientific SureSTART vials are dimensionally verified to ensure autosampler compatibility
- Inspected by automated optical and gauge inspection to ensure critical dimensions and tolerances
- Vials meet all requirements of USP (US), EP (EU), and JP (Japan) pharmacopoeias

Lot traceable

- 100% traceable through the manufacturing process
- Certificate of Conformance available by lot number upon request

Performance level 2: High-throughput analysis

Vials	Caps
0.7 mL glass crimp vials	8 mm crimp caps
1.7 mL high-recovery glass screw vials	9 mm screw caps
2 mL glass screw vials	
2 mL glass crimp vials	11 mm crimp caps
2 mL glass snap vials	11 mm snap caps 11 mm crimp caps
Inserts for 2 mL vials	—
4 mL glass screw vials	13 mm screw caps
8 mL glass screw vials	15 mm screw caps
10 mL glass screw headspace vials	18 mm screw caps
10 mL glass crimp headspace vials	20 mm crimp caps
12 mL glass screw vials	15 mm screw caps
20 mL glass screw vials	18 mm screw caps
20 mL glass crimp headspace vials	20 mm crimp caps
20 mm stoppers and septa	
40 mL glass screw vials	24 mm screw caps
Kits	
Specification-certified	
EPA	





Screw vials and associated caps

(<2 mL – 2 mL vials, 8 mm caps)

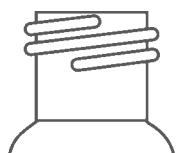
0.7 mL glass crimp microvials for <2 mL samples

Performance level 2 for high-throughput applications

Description

- Crimp
- Conical base
- Specification-certified

For use with 8 mm crimp caps



Vial color and material	Amber glass
Total volume	0.7 mL
Usable volume	0.6 mL
Residual volume	2 µL
Ordering information	Cat. no.
100/pack 	6ACV8-07C2



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

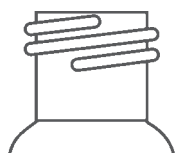
1.7 mL high-recovery glass screw vials for <2 mL samples

Performance level 2 for high-throughput applications

Description

- Short thread screw
- 12 mm x 32 mm (diameter x height) inner V-bottom base
- Marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass
Total volume	1.7 mL
Usable volume	1.3 mL
Residual volume	4 µL
Ordering information	Cat. no.
100/pack 	6ASV9-V1
10 x 100/pack 	6ASV9-V1T



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

2 mL glass screw vials

Performance level 2 for high-throughput applications

Description

- Short thread screw
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- Specification-certified

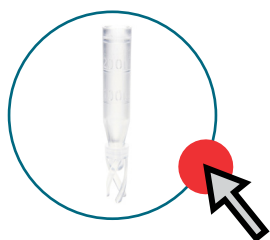
For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass	Amber glass	Amber glass, silanized
Total volume	2.0 mL	2.0 mL	2.0 mL
Usable volume	1.5 mL	1.5 mL	1.5 mL
Residual volume	170 µL	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6ASV9-1P	6ASV9-2P	6ASV9-S2P
10 x 100/pack 	6ASV9-1PT	6ASV9-2PT	-
50 x 100/pack 	6ASV9-1PF	6ASV9-2PF	-

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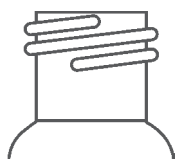
Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm AVCS screw caps

Performance level 2 for high-throughput applications

Description
• Short thread screw • 9 mm • Specification-certified • AVCS screw top technology
For use with <2 mL and 2 mL screw vials



Key attributes	Suitable for PFAS analysis	Pre-slit septum, bonded	Bonded	Close top cap
Cap color and material	Blue PP	Blue PP	Blue PP	Blue PP
Septum color and material	White silicone/ red polyimide	White silicone/ beige PTFE	White silicone/ beige PTFE	Red rubber/ ivory PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	45° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6ASC9SPI1	6ASC9STBS1	6ASC9STB1	6ASC9CTRRT1
10 x 100/pack	-	6ASC9STBS1T	6ASC9STB1T	-
50 x 100/pack	-	6ASC9STBS1F	6ASC9STB1F	-



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm AVCS screw caps (continued)

Performance level 2 for high-throughput applications

Description
- Short thread screw 9 mm - Specification-certified - AVCS screw top technology
For use with <2 mL and 2 mL screw vials



Cap color and material	Blue PP	Blue PP	Red PP	Red PP
Septum color and material	Red rubber/ivory PTFE	White silicone/red PTFE	White silicone/red PTFE	Red rubber/ivory PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	45° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6ASC9RT1	6ASC9ST1	6ASC9ST1R	6ASC9RT1R
10 x 100/pack	6ASC9RT1T	6ASC9ST1T	6ASC9ST1RT	6ASC9RT1RT
50 x 100/pack	6ASC9RT1F	6ASC9ST1F	6ASC9ST1RF	6ASC9RT1RF

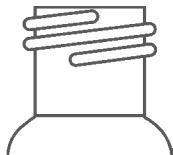


Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm AVCS screw caps (continued)

Performance level 2 for high-throughput applications

Description				
• Short thread screw • 9 mm • Specification-certified • AVCS screw top technology				
For use with <2 mL and 2 mL screw vials				
    				
Cap color and material	Green PP	Green PP	Yellow PP	Yellow PP
Septum color and material	White silicone/red PTFE	Red rubber/ivory PTFE	White silicone/red PTFE	Red rubber/ivory PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	45° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6ASC9ST1G	6ASC9RT1G	6ASC9ST1Y	6ASC9RT1Y



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm AVCS screw caps (continued)

Performance level 2 for high-throughput applications

Description

- Short thread screw
- 9 mm
- Specification-certified
- AVCS screw top technology

For use with <2 mL and 2 mL screw vials



Cap color and material	Black PP	Black PP
Septum color and material	White silicone/red PTFE	Red rubber/ivory PTFE
Septum thickness	1.0 mm	1.0 mm
Septum hardness	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.
100/pack	6ASC9ST1B	6ASC9RT1B



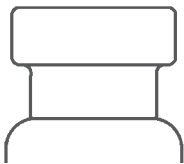
Crimp vials and associated caps

(<1 mL vials)

0.8 mL glass crimp vials

Performance level 2 for high-throughput applications

Description
• Crimp • 7 mm × 40 mm (diameter × height) flat bottom base • Specification-certified
For use with 8 mm crimp caps



Vial color and material	Clear glass
Total volume	0.8 mL
Usable volume	650 µL
Residual volume	11 µL
Ordering information	Cat. no.
100/pack 	C4008-741



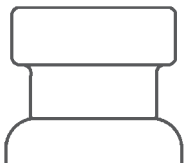
Crimp vials and associated caps (continued)

(<2 mL vials, 11 mm caps)

2 mL glass crimp vials

Performance level 2 for high-throughput applications

Description
- Crimp 12 mm × 32 mm (diameter × height) flat bottom base - Marking spot - Specification-certified
For use with 11 mm crimp caps



Vial color and material	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL
Usable volume	1.7 mL	1.7 mL
Residual volume	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ACV11-1P	6ACV11-2P
10 x 100/pack 	6ACV11-1PT	6ACV11-2PT
50 x 100/pack 	6ACV11-1PF	6ACV11-2PF



Crimp vials and associated caps (continued)

(<1 mL vials, 8 mm caps)

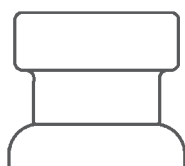
8 mm crimp caps

Performance level 2 for high-throughput applications

Description

- 8 mm crimp caps
- Specification-certified

For use with 8 mm crimp vials



Cap color and material	Silver aluminium	Silver aluminium
Septum color and material	Red natural rubber/clear PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.3 mm
Septum hardness	60° shore	45° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	C4008-1A	C4008-4A



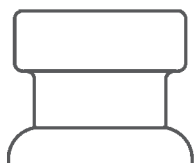
Crimp vials and associated caps (continued)

(<2 mL vials, 11 mm caps)

11 mm crimp caps

Performance level 2 for high-throughput applications

Description
- Crimp closure (11 mm) - Specification-certified
For use with <2 mL – 2 mL crimp vials, or <2 mL – 2 mL snap vials Use with 11 mm crimpers and decrimpers



Cap color and material	Silver aluminum closure	Silver aluminum closure	Silver aluminum closure
Septum color and material	White silicone/red PTFE	Red rubber/clear PTFE	Natural red rubber/TEF
Septum thickness	1.0 mm	1.0 mm	1.0 mm
Septum hardness	45° shore	60° shore	60° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	6ACC11ST1	6ACC11RT1	6ACC11NR1
10 x 100/pack	6ACC11ST1T	6ACC11RT1T	-
50 x 100/pack	6ACC11ST1F	6ACC11RT1F	-



Crimp vials and associated caps (continued)

(<2 mL vials, 11 mm caps)

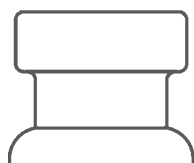
11 mm crimp caps (continued)

Performance level 2 for high-throughput applications

Description

- Crimp closure (11 mm)
- Specification-certified

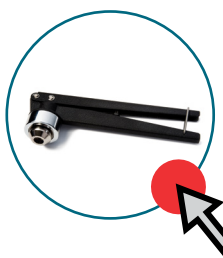
For use with <2 mL – 2 mL crimp vials, or <2 mL – 2 mL snap vials
Use with 11 mm crimpers and decrimpers



Cap color and material	Green/silver aluminum closure	Red/silver aluminum closure	Blue/silver aluminum closure	Gold/silver aluminum closure
Septum color and material	Natural red rubber/TEF	Natural red rubber/TEF	Natural red rubber/TEF	Natural red rubber/TEF
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	60° shore	60° shore	60° shore	60° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	
100/pack 	6ACC11NR1G	6ACC11NR1R	6ACC11NR1B	6ACC11NR1Y

Learn more about:

Manual and electronic crimpers and decrimpers





Snap vials and associated caps

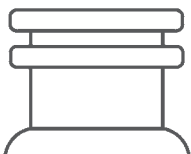
(2 mL vials, 11 mm caps)

2 mL glass snap vials

Performance level 2 for high-throughput applications

Description
• Snap • 12 mm × 32 mm (diameter × height) flat bottom base • Marking spot • Specification-certified

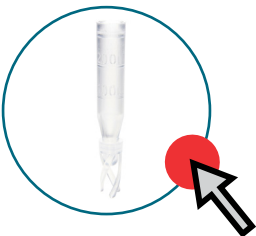
For use with 11 mm snap caps or 11 mm crimp caps



Vial color and material	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL
Usable volume	1.7 mL	1.7 mL
Residual volume	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ARV11-1P	6ARV11-2P
10 x 100/pack 	6ARV11-1PT	6ARV11-2PT
50 x 100/pack 	6ARV11-1PF	6ARV11-2PF

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Snap vials and associated caps (continued)

(2 mL vials, 11 mm caps)

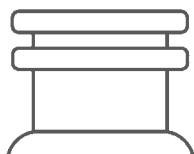
11 mm snap caps

Performance level 2 for high-throughput applications

Description

- Snap closure (11 mm)
- Specification-certified

For use with 11 mm glass or plastic snap vials



Key attributes	-	-	-	Suitable for PFAS analysis
Cap color and material	Blue PE	Blue PE	Blue PE	Blue PE
Septum color and material	White silicone/red PTFE	Natural rubber/clear TEF	Red rubber/clear PTFE	White silicone/red polyimide
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	45° shore	60° shore	60° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6ARC11ST1	6ARC11NRT1	6ARC11RRT1	6ARC11SPI1
10 x 100/pack 	6ARC11ST1T	6ARC11NRT1T	-	-
50 x 100/pack 	6ARC11ST1F	6ARC11NRT1F	-	-



Snap vials and associated caps (continued)

(2 mL vials, 11 mm caps)

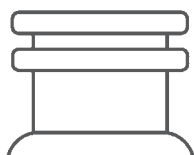
11 mm snap caps (continued)

Performance level 2 for high-throughput applications

Description

- Snap closure (11 mm)
- Specification-certified

For use with 11 mm glass or plastic snap vials



Cap color and material	Red PE	Red PE	Orange PE
Septum color and material	White silicone/red PTFE	Natural rubber/clear TEF	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	60° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	6ARC11ST1R	6ARC11NRT1R	6ARC11ST1OR
10 x 100/pack	6ARC11ST1RT	6ARC11NRT1RT	6ARC11ST1ORT
50 x 100/pack	6ARC11ST1RF	-	-



Snap vials and associated caps (continued)

(2 mL vials, 11 mm caps)

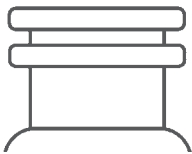
11 mm snap caps (continued)

Performance level 2 for high-throughput applications

Description

- Snap closure (11 mm)
- Specification-certified

For use with 11 mm glass or plastic snap vials



Cap color and material	Clear PE	Clear PE	Clear PE	Black PE
Septum color and material	Red silicone rubber/ clear PTFE	White silicone/red PTFE	White virgin PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	0.25 mm	1.0 mm
Septum hardness	60° shore	45° shore	53° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6ARC11RRT1C	6ARC11ST1C	6ARC11-P	6ARC11ST1B



Screw vials and associated caps (continued)

(4 mL vials, 9 mm caps)

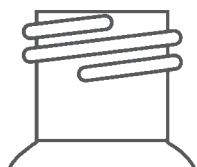
4 mL glass screw vials

Performance level 2 for high-throughput applications

Description

- Screw
- 15 mm × 45 mm (diameter × height) flat base
- Specification-certified

For use with 9 mm screw caps or 9 mm AVCS screw caps



Vial color and material	Clear glass
Total volume	4.0 mL
Usable volume	3.5 mL
Residual volume	500 µL
Ordering information	Cat. no.
100/pack 	4-SVQ



Screw vials and associated caps (continued)

(4 mL vials, 13 mm caps)

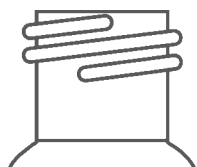
4 mL glass screw vials

Performance level 2 for high-throughput applications

Description

- Screw
- 15 × 45 mm (diameter × height) flat base
- Specification-certified

For use with 13 mm screw caps (13-425)



Vial color and material	Clear glass	Amber glass
Total volume	4.0 mL	4.0 mL
Usable volume	3.5 mL	3.5 mL
Residual volume	800 µL	800 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ASV13-1P	6ASV13-2P



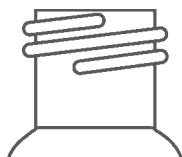
Screw vials and associated caps (continued)

(4 mL vials, 13 mm caps)

13 mm screw caps

Performance level 2 for high-throughput applications

Description
- Screw thread closure (13 mm/13-425) - Specification-certified
For use with 4 mL screw vials (and other vials with screw 13 mm dimensions)



Key attributes	-	Pre-slit septum
Cap color and material	Black PP	White PP
Septum color and material	White silicone/red PTFE	White silicone/blue PTFE
Septum thickness	1.5 mm	1.5 mm
Septum hardness	55° shore	55° shore
Ordering information	Cat. no.	Cat. no.
100/pack	6ASC13ST15	6PSC13STS15W



Screw vials and associated caps (continued)

(4 mL vials, 13 mm caps)

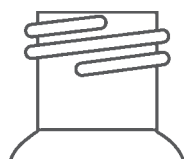
13 mm screw caps

Performance level 2 for high-throughput applications

Description

- Screw thread closure (13 mm/13-425)
- Specification-certified

For use with 4 mL screw vials (and other vials with screw 13 mm dimensions)



Cap color and material	Closed top	Closed top
	White polyurethane	Black phenol
Septum color and material	White PE foam/beige PTFE	White silicon/beige PTFE
Septum thickness	1.3 mm	1.3 mm
Septum hardness	75° shore	45° shore
Ordering information	Cat. no.	
100/pack 	6ASC13-CTP	200 568



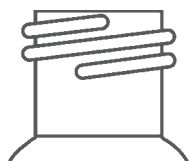
Headspace screw vials and associated caps

(10 mL vials, 18 mm caps)

10 mL glass screw headspace vials

Performance level 2 for high-throughput applications

Description
- Screw 22.5 mm × 46 mm (diameter × height) round bottom base - Marking spot - Specification-certified
For use with 18 mm screw caps



Vial color and material	Clear glass	Amber glass
Total volume	10 mL	10 mL
Usable volume	8 mL	8 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
100/pack	6ASV10-1	6ASV10-2
10 x 100/pack	6ASV10-1T	6ASV10-2T
50 x 100/pack	6ASV10-1F	-



Headspace screw vials and associated caps (continued)

(20 mL vials, 18 mm caps)

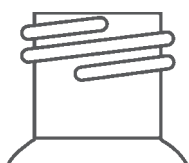
20 mL glass screw headspace vials

Performance level 2 for high-throughput applications

Description

- Screw
- 22.5 mm × 75.5 mm (diameter × height) round bottom base
- Marking spot
- Specification-certified

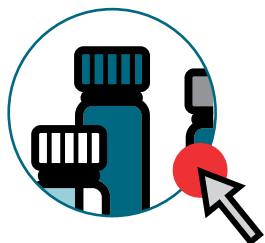
For use with 18 mm screw caps



Vial color and material	Clear glass	Amber glass
Total volume	20 mL	20 mL
Usable volume	18 mL	18 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ASV20-1	6ASV20-2
10 x 100/pack 	6ASV20-1T	6ASV20-2T
50 x 100/pack 	6ASV20-1F	-

Looking for caps?

Our 18 mm precision screw caps are a perfect fit for these vials





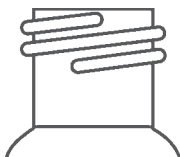
Headspace screw vials and associated caps (continued)

(20 mL vials, 18 mm caps)

18 mm screw headspace caps

Performance level 2 for high-throughput applications

Description
- Screw cap 18 mm - Specification-certified
For use with 10 mL and 20 mL screw headspace vials (with neck size of 18 mm)



Key attributes	Magnetic
Cap color and material	Silver steel
Septum color and material	Blue chlorobutyl/blue PTFE
Septum thickness	3.0 mm
Septum hardness	52° shore
Ordering information	Cat. no.
125/pack 	18-MS-CBT3



Headspace crimp vials and associated caps

(10 mL – 20 mL vials, 20 mm caps)

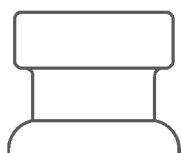
10 mL glass crimp headspace vials

Performance level 2 for high-throughput applications

Description

- Crimp
- 22.50 mm × 46 mm (diameter × height) round bottom base with beveled edge rim
- Marking spot
- Specification-certified

For use with 20 mm crimp caps



Vial color and material	Clear glass	Amber glass
Total volume	10 mL	10 mL
Usable volume	8 mL	8 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ACV10-1R	6ACV10-2R
10 x 100/pack 	6ACV10-1RT	6ACV10-2RT
50 x 100/pack 	-	6ACV10-2RF



Headspace crimp vials and associated caps (continued)

(10 mL – 20 mL vials, 20 mm caps)

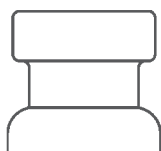
20 mL glass crimp headspace vials

Performance level 2 for high-throughput applications

Description

- Crimp
- 22.65 mm × 75 mm (diameter × height) round bottom base with beveled edge rim (Cat. no. 6ACV20-1R)
- 23 mm × 75.5 mm (diameter × height) round bottom base with beveled edge rim (Cat. no. 6ACV20-1PE, 6ACV20-2PE)
- Marking spot
- Specification-certified

For use with 20 mm crimp caps



Vial color and material	Clear glass	Clear glass	Amber glass
Vial diameter and length	22.65 × 75.5	23 × 75.5	23 × 75.5
Total volume	20 mL	20 mL	20 mL
Usable volume	18 mL	18 mL	18 mL
Residual volume	0.8 mL	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6ACV20-1R	6ACV20-1PE*	6ACV20-2PE*
10 x 100/pack 	6ACV20-1RT	6ACV20-1PET*	6ACV20-2PET*
50 x 100/pack 	6ACV20-1RF	6ACV20-1PEF*	-

* Only for Fit PerkinElmer instruments



Headspace crimp vials and associated caps (continued)

(10 mL – 20 mL vials, 20 mm caps)

20 mm crimp caps

Performance level 2 for high-throughput applications

Description					
- Crimp closure (20 mm) - Specification-certified					
For use with 10 mL and 20 mL crimp headspace vials (with neck size of 20 mm)					
Use with 20 mm crimpers and decrimpers					
Key attributes	-	-	-	Magnetic	Magnetic
Cap color and material	Silver aluminum	Silver aluminum	Silver aluminum	Gold steel	Silver steel
Septum color and material	Black butyl/ grey PTFE/ molded PharmaFix	White silicone/ beige PTFE	White silicone/ beige PTFE	Blue silicone/ clear PTFE	Red silicone/ natural PTFE
Septum thickness	3.0 mm	3.2 mm	3.2 mm	3.0 mm	3.0 mm
Septum hardness	50° shore	45° shore	45° shore	40° shore	55° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6ACC20-PFT	6ACC20-ST1	6APRCC20-ST1	6AMCC20-ST3	6AMCC20-STH
10 x 100/pack	6ACC20-PFTT	6ACC20-ST1T	6APRCC20-ST1T	6AMCC20-ST3T	6AMCC20-STHT
50 x 100/pack	-	6ACC20-ST1F	6APRCC20-ST1F	-	6AMCC20-STHF

Learn more about:

Manual and electronic crimpers and decrimpers





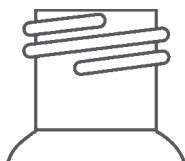
Headspace screw vials and associated caps (20 mL, 18 mm caps)

Screw vial and cap kits

Performance level 2 for high-throughput applications

Description

- Screw thread
- Specification-certified
- 22.5 × 75.5 (diameter × height) headspace round bottom base



Vial color and material	Clear glass
Vial total volume	20 mL
Cap color and material	Silver stainless steel open top screw cap, magnetic
Septum color and material	Blue silicone/clear PFTE
Septum thickness	2 mm
Septum hardness	45° shore
Ordering information	Cat. no.
100/pack 	6AKHSVST201
Kit includes	Cat. no.
Kit vial	6ASV20-1
Kit closure	6PMSC18-ST2



Stoppers and septa

8 mm septa

Performance level 2 for high-throughput applications

Description

- Specification-certified

For use with 8 mm crimp or screw thread caps



Septum color and material	White silicone/red PTFE	White silicone/red PTFE	Tan silicone/white PTFE
Septum thickness	1.3 mm	1.5 mm	1.5 mm
Septum hardness	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4013-60	-	-
1000/pack 	-	200 344	C4013-61



Stoppers and septa (continued)

13–18 mm stoppers and septa

Performance level 2 for high-throughput applications

Description
Specification-certified
For use with vials with neck size 13 mm, 15 mm and 18 mm



Product description	Septum (12 mm)	Septum (13 mm)	Septum (13 mm)	Septum (15 mm)	Septum (18 mm)
Color and material	White silicone/ red PTFE	White silicone/ red PTFE	Clear silicone/ white PTFE	Clear silicone/ white PTFE	Clear silicone/ white PTFE
Septum thickness	2.0 mm	1.5 mm	1.5 mm	2.6 mm	1.5 mm
Septum hardness	45° shore	50° shore	50° shore	50° shore	50° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	-	C4015-60	B7995-13	B7995-15	B7995-18
500/pack	12-ST2	-	-	-	-



Stoppers and septa (continued)

20 mm stoppers and septa

Performance level 2 for high-throughput applications

Description

- Specification-certified

For use with vials (e.g. 10 mL/20 mL crimp vials) with diameter neck size of 20 mm



Product description	Stopper (20 mm)	Septum (20 mm)	Septum (20 mm)	Septum (20 mm)
Color and material	Grey bromobutyl	White silicone/ beige PTFE	Black butyl/ grey PTFE molded PharmaFix™	Blue silicone/ clear PTFE, soft
Septum thickness	3.0 mm	3.2 mm	3.0 mm	3.0 mm
Septum hardness	45° shore	45° shore	50° shore	40° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6A20BS	6A20ST1	6A20CBT3	-
500/pack	-	-	-	20-ST3
10 x 100/pack	6A20BST	6A20ST1T	-	-
50 x 100/pack	6A20BSF	6A20ST1F	-	-



EPA vials and caps

8 mL EPA screw vials

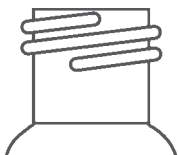
Performance level 2 for high-throughput applications

Description
- Screw (15-425) 17 × 60 mm (diameter × height) flat base - Specification-certified - Level 100 EPA vials

For use with 15 mm screw caps

These are processed and packages under a strict registered ISO Quality Management System.
The products are not certified to EPA standards or pre-cleaned.
Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under
[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and
[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water"



Vial color and material	Clear glass	Amber glass
Total volume	8 mL	8 mL
Usable volume	6 mL	6 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
200/pack	6ASV8EPA-1	6ASV8EPA-2



EPA vials and caps (continued)

12 mL EPA screw vials

Performance level 2 for high-throughput applications

Description

- Screw thread (15-425)
- 19 × 65 mm (diameter × height) flat base
- Specification-certified - Level 100 EPA vials

For use with 15 mm screw caps

These are processed and packaged under a strict registered ISO Quality Management System.

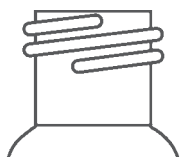
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[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass	Amber glass
Total volume	12 mL	12 mL
Usable volume	11 mL	11 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
200/pack 	6ASV12EPA-1	6ASV12EPA-2



EPA vials and caps (continued)

16 mL EPA screw vials

Performance level 2 for high-throughput applications

Description

- Screw thread (18-400)
- 21 × 70 mm (diameter × height) flat base
- Specification-certified - Level 100 EPA certified

For use with 18 mm screw caps

These are processed and packaged under a strict registered ISO Quality Management System.

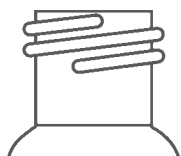
The products are not certified to EPA standards or pre-cleaned.

Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under

[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and

[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass	Amber glass
Total volume	16 mL	16 mL
Usable volume	15 mL	15 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
200/pack 	6ASV16EPA-1	6ASV16EPA-2



EPA vials and caps (continued)

20 mL EPA screw vials

Performance level 2 for high-throughput applications

Description

- Screw thread (20-400)
- 23 × 85 mm (diameter × height) flat base
- Specification-certified - Level 100 EPA vials

For use with 20 mm screw caps

These are processed and packaged under a strict registered ISO Quality Management System.

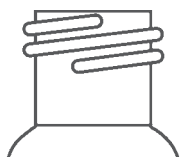
The products are not certified to EPA standards or pre-cleaned.

Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under

[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and

[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass
Total volume	20 mL
Usable volume	18 mL
Residual volume	0.8 mL
Ordering information	Cat. no.
100/pack 	6ASV20EPA-1



EPA vials and caps (continued)

40 mL EPA screw vials

Performance level 2 for high-throughput applications

Description

- Screw thread 24 mm (24-400)
- 28 × 95 mm (diameter × height) flat base
- Specification-certified - Level 100 EPA vials

For use with 24 mm screw caps

These are processed and packaged under a strict registered ISO Quality Management System.

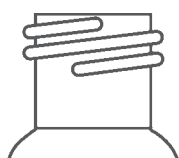
The products are not certified to EPA standards or pre-cleaned.

Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under

[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and

[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass	Amber glass
Total volume	40 mL	40 mL
Usable volume	38 mL	38 mL
Residual volume	0.8 mL	0.8 mL
Ordering information	Cat. no.	Cat. no.
100/pack 	6ASV40EPA-1	6ASV40EPA-2



EPA vials and caps (continued)

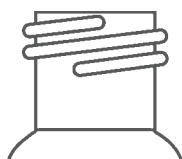
15 mm screw caps

Performance level 2 for high-throughput applications

Description

- Short thread screw closure 15 mm (15-425)
- Specification-certified

For use with 8 and 12 mL screw vials (and other vials with screw 15 mm dimensions)



Cap color and material	White PP, close top
Septum color and material	PE foam/PTFE
Septum thickness	1.3 mm
Septum hardness	75° shore
Ordering information	Cat. no.
100/pack 	6ASC15-CTP



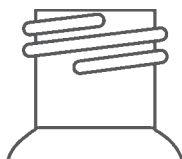
18 mm screw caps

Performance level 2 for high-throughput applications

Description

- Screw closure 18 mm (18-400)
- Specification-certified

For use with 20 mL EPA screw vials (and other vials with screw 18 mm dimensions) except for 20 mL headspace vials



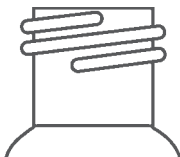
Cap color and material	White PP, close top
Septum color and material	PE foam/PTFE
Septum thickness	1.3 mm
Septum hardness	75° shore
Ordering information	Cat. no.
100/pack 	6ASC18-CTP



20 mm screw caps

Performance level 2 for high-throughput applications

Description
- Screw closure 20 mm (20-400) - Specification-certified
For use with screw vials (and other vials with screw 20 mm/20-400 dimensions)



Cap color and material	White PP, close top
Septum color and material	PE foam/PTFE
Septum thickness	1.3 mm
Septum hardness	75° shore
Ordering information	Cat. no.
100/pack	B7815-20



EPA vials, caps and septa (continued)

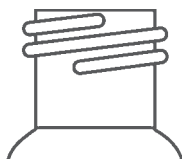
24 mm screw caps

Performance level 2 for high-throughput applications

Description

- Screw closure 24 mm (24-400)
- Specification-certified

For use with 40 mL screw vials (and other vials with screw 24 mm dimensions)



Cap color and material	White PP, close top
Septum color and material	PE foam/PTFE
Septum thickness	1.3 mm
Septum hardness	75° shore
Ordering information	Cat. no.
100/pack 	6ASC24-CTP



EPA vials, caps and septa (continued)

Septa for EPA/storage vials

Performance level 2 for high-throughput applications

Description

- Specification-certified

For use with screw vials with 20-400 or 24-400 screw thread closure



Product description	Septum (19.5 mm)	Septum (22 mm)
Color and material	Cream silicone/beige PTFE	Clear silicone/beige PTFE
Septum thickness	1.5 mm	2.6 mm
Septum hardness	50° shore	50° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	6A20ST20	6A24ST26

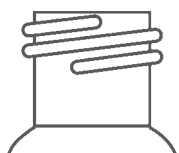


Specification-certified vial and cap kits, EPA kits, and scintillation kits

Specification-certified screw vial and cap kits

Performance level 2 for high-throughput applications

Description
2 mL screw vial (9 mm) with short thread screw closure - Marking spot - Specification-certified



Key attributes	AVCS	AVCS	AVCS	AVCS	AVCS
Vial color and material	Clear glass	Amber glass	Clear glass	Clear glass	Amber glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Blue PP	Blue PP	Blue PP	Blue PP	Blue PP
Septum color and material	Red rubber/ ivory PTFE	Red rubber/ ivory PTFE	Red PTFE/white silicone/red PTFE	White silicone/ red PTFE	White silicone/ red PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6AK80W	6AK82W	6AK86W	6AK92W	6AK94W
Kit include	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-2P	6PSV9-1P	6PSV9-1P	6ASV9-2P
Kit closure	6ASC9RT1	6ASC9RT1	6PSC9TST	6ASC9ST1	6ASC9ST1



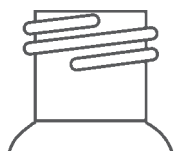
Specification-certified vial and cap kits, EPA kits, and scintillation kit (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- 2 mL screw vial (9 mm) with short thread screw closure
- Marking spot
- Specification-certified



Key attributes	AVCS	AVCS
	Pre-slit septum	Soft septum
Vial color and material	Clear glass	Clear glass
Vial total volume	2.0 mL	2.0 mL
Cap color and material	Blue PP	Blue PP
Septum color and material	White silicone/blue PTFE slit	Blue silicone/clear PTFE
Ordering information	Cat. no.	Cat. no.
100/pack 	6AK95W	6AK599W
Kit includes	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-1P
Kit closure	6PSC9STS1	6PSC9ST101

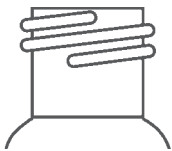


Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description
2 mL screw vial (9 mm) with short thread screw closure - Marking spot - Specification-certified



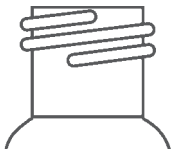
Key attributes	SureStop/AVCS	SureStop/AVCS	SureStop/AVCS
	-	-	Pre-slit septum
Vial color and material	Clear glass	Amber glass	Clear glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Blue PP	Blue PP	Blue PP
Septum color and material	White silicone/red PTFE	White silicone/red PTFE	White silicone/blue PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6AK592W	6AK594W	6AK595W
Kit includes	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1PSS	6PSV9-2PSS	6PSV9-1PSS
Kit closure	6ASC9ST1	6ASC9ST1	6PSC9STS1



Specification-certified vial and cap kits, EPA kits, and scintillation kit (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description		
2 mL screw vial (9 mm) with short thread screw closure - Marking spot - Specification-certified		
  		
Key attributes	Bonded	Bonded
	Pre-slit septum	-
Vial color and material	Clear glass	Clear glass
Vial total volume	2.0 mL	2.0 mL
Cap color and material	Grey PP	Black PP
Septum color and material	White silicone/red PTFE	White silicone/red PTFE
Ordering information	Cat. no.	Cat. no.
100/pack 	6AK93BW	6AK78BW
Kit includes	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6PSV9-1P
Kit closure	6PSC9STBS1	6PSC9STB1

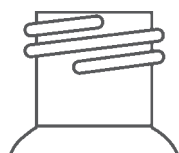


Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description
<2 mL screw (9 mm) and snap (11 mm) vials and caps - Marking spot - Specification-certified



Key attributes	Suitable for PFAS analysis	Suitable for PFAS analysis
Vial color and material	Clear PP snap vial with fixed insert	Clear PP screw thread vial
Vial total volume	0.8 mL	1.5 mL
Cap color and material	Blue PE, snap cap	Blue PP, screw cap
Septum color and material	White silicone/red polyimide	White silicone/red polyimide
Ordering information	Cat. no.	Cat. no.
100/pack 	6AKRV11PP-08PI	6AKSV9PP-15PI
Kit includes	Cat. no.	Cat. no.
Kit vial	6ERV11-08PPFB	6ESV9-1PP
Kit closure	6ARC11SPI1	6ASC9SPI1



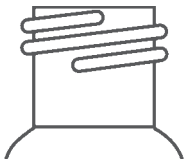
Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- Assembled 2 mL screw vial (9 mm) with short thread screw closure
- Marking spot
- Specification-certified



Vial color and material	Clear glass	Clear glass	Amber glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Blue PP	Blue PP	Blue PP
Septum color and material	Red rubber/ivory PTFE	Red PTFE/white silicone/red PTFE	Red PTFE/white silicone/red PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6AK180W	6AK186W	6AK188W
Kit includes	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6PSV9-1P	6ASV9-2P
Kit closure	6ASC9RT1	6PSC9TST	6PSC9TST



Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified snap and crimp vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description
- Snap and crimp kits 11 mm snap/crimp - Specification-certified



Key attributes	Snap	Snap	Crimp
Vial color and material	Clear glass	Clear glass	Amber glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Clear PE	Clear PE	Aluminium
Septum color and material	Red rubber/clear PTFE, 1.0 mm	White silicone/red PTFE 1.0 mm	Red natural rubber/clear TEF 1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	-	C4011-73	C4011-87
500/pack	-	-	C4011-88
2000/pack	C4011-551	-	-



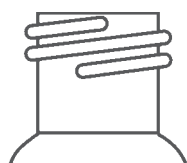
Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- 4 mL screw vial kits
- 13 mm (13-425) screw thread and caps
- 15 x 45 mm vial dimensions
- Specification-certified



Key attributes	Assembled	Assembled	Assembled
	-	ID patch/ marking spot	ID patch/ marking spot
Vial color and material	Clear glass	Clear glass	Amber glass
Vial total volume	4.0 mL	4.0 mL	4.0 mL
Cap color and material	Black PP	Black PP	Black PP
Septum color and material	White silicone/red PTFE	White silicone/red PTFE	White silicone/red PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4015-17	C4015-17W	C4015-17AW



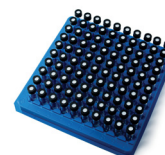
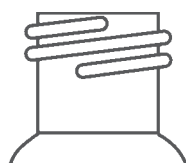
Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- 4 mL screw vial kits
- 13 mm (13-425) screw thread and caps
- Specification-certified



Key attributes	Not assembled	Assembled	Assembled
Vial color and material	Clear glass	Clear glass	Clear glass
Vial total volume	4.0 mL	4.0 mL	4.0 mL
Cap color and material	Black PP	Black PP	Black PP
Septum color and material	White silicone/red PTFE 1.5 mm	White silicone/red PTFE 1.5 mm	White virgin PTFE 0.25 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4015-88	200 630	C4015-21



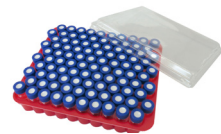
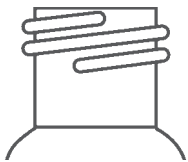
Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

Specification-certified screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- Assembled 2 mL screw vial (9 mm) with short thread screw closure
- Marking spot
- Specification-certified



Key attributes	-	Pre-slit septum	Pre-slit septum
Vial color and material	Clear glass	Clear glass	Amber glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Blue PP	Blue PP	Blue PP
Septum color and material	White silicone/red PTFE	White silicone/blue PTFE	White silicone/blue PTFE
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6AK192W	6AK195W	6AK196W
Kit includes	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-1P	6ASV9-2P
Kit closure	6ASC9ST1	6PSC9STS1	6PSC9STS1



Specification-certified vial and cap kits, EPA kits, and scintillation kits (continued)

EPA screw vial and cap kits

Performance level 2 for high-throughput applications

Description

- 4 mL – 40 mL screw vials with screw closures (13 mm – 24 mm)
- Level 100 EPA vials

These are processed and packages under a strict registered ISO Quality Management System.

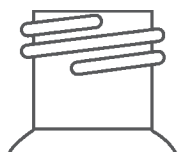
The products are not certified to EPA standards or pre-cleaned.

Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under

[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and

[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass	Clear glass	Amber glass
Vial total volume	4 mL (13 mm)	4 mL (13 mm)	8 mL (15 mm)	8 mL (15 mm)	12 mL (15 mm)	12 mL (15 mm)
Cap color and material	White screw cap (PP) (13 mm) close top		White screw cap (PP) (15 mm) close top			
Septum color and material	PE foam/white PTFE closed top					
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6AK4CCT	6AK4ACT	-	-	-	-
200/pack 	-	-	6AK8CCT	6AK8ACT	6AK12CCT	6AK12ACT
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	*	*	6ASV8EPA-1	6ASV8EPA-2	6ASV12EPA-1	6ASV12EPA-2
Kit closure	*	*	6ASC15-CTP	6ASC15-CTP	6ASC15-CTP	6ASC15-CTP

* Not available as single part



Specification-certified vial and cap kits, EPA kits, and scintillation kit (continued)

EPA screw vial and cap kits (continued)

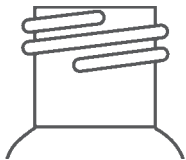
Performance level 2 for high-throughput applications

Description

- 4 mL – 40 mL screw vials with screw closures (13 mm – 24 mm)
- Level 100 EPA vials

These are processed and packages under a strict registered ISO Quality Management System.
The products are not certified to EPA standards or pre-cleaned.
Every case of product is labeled with its production number and is custody sealed to ensure reliable chain-of-custody.

EPA screw vials convenience kits are recommended for discrete water sampling under
[EPA 40 CFR 136](#) "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and
[EPA 40 CFR 141](#) "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Key attributes	Not assembled	Not assembled	Assembled	Assembled	Assembled
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass	Clear glass
Vial total volume	16 mL (18 mm 18-400)		20 mL (24 mm/24-400)		
Cap color and material	White screw cap (PP) (18 mm)		White screw cap (PP) (24 mm)		
Septum color and material	PE foam/white PTFE closed top				Clear silicone/white PTFE open top
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	-	-	6AK20CCTAS	6AK20ACTAS	6AK20COTAS
200/pack 	6AK16CCT	6AK16ACT	-	-	-
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6ASV16EPA-1	6ASV16EPA-2	6ASV20EPA-1	*	*
Kit closure	6ASC18-CTP	6ASC18-CTP	6ASC24-CTP	6ASC24-CTP	*

* Not available as single part



Specification-certified vial and cap kits, EPA kits, and scintillation kit (continued)

EPA screw vial and cap kits (continued)

Performance level 2 for high-throughput applications

Description

- 4 mL – 40 mL screw vials with screw closures (13 mm – 24 mm)
- Level 100 EPA vials



Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Vial total volume	40 mL (24 mm)			
Cap color and material	White screw cap (PP) (24 mm), assembled		White screw cap (PP) (24 mm)	
Septum color and material	Clear silicone/white PTFE open top		PE foam/white PTFE closed top	
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6AK40COTAS	6AK40AOTAS	6AK40CCT	6AK40ACT
Kit vial	6ASV40EPA-1	6ASV40EPA-2	6ASV40EPA-1	6ASV40EPA-2
Kit closure	*	*	6ASC24-CTP	6ASC24-CTP

* Not available as single part

Key attributes	Scintillation
Vial color and material	Clear glass
Vial total volume	20 mL
Cap color and material	White closed top screw cap
Septum color and material	Silver PP foil
Ordering information	Cat. no.
5 x 100/pack	6AK20SCIN



Storage vials, caps and kits

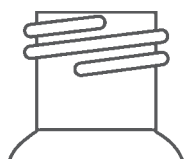
Screw vials

Performance level 2 for high-throughput applications

Description

- Specification-certified

For storage of liquid and/or powdered samples



Key attributes	Vial and cap kit, assembled	Round bottom	Powder vial	Round bottom
Vial color and material	Clear glass	Clear glass	Clear glass	Clear glass
Total volume	2.0 mL	5.0 mL	5.3 mL	10 mL
Thread style	10 mm/10-425	13 mm/13-425	14 mm	13 mm/13-425
Dimensions (diameter x height)	12 x 32 mm	13 x 65 mm	15 x 48 mm	13 x 100 mm
Cap color and material	Blue PP	N/A	N/A	N/A
Septum color and material	White silicone/ blue PTFE 1.5 mm	N/A	N/A	N/A
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	C4010-018	-	-	-
125/pack	-	5-SV	-	10-SV
175/pack	-	-	5.3-SV	-



Storage vials, caps and kits (continued)

Screw vials (continued)

Performance level 2 for high-throughput applications

Description

- Specification-certified

For use with vials with either 13 mm/13-425, 15mm/15-425, 15 mm/15-425, 18 mm/18-400, 24 mm/24-400 screw threads



Key attributes	Open top	Open top	Open top	Open top	Closed top
Thread size/style	13 mm/13-425	15 mm/15-425	15 mm/15-425	18 mm/18-400	24 mm/24-400
Vial color and material	Clear glass	Clear glass	Clear glass	Clear glass	Clear glass
Vial total volume	4 mL	8 mL	12 mL	16 mL	40 mL
Cap color and material	Black PP	Black PP	Black PP	Black PP	White PP
Septum color and material	Clear silicone/ white PTFE	Clear silicone/ white PTFE	Clear silicone/ white PTFE	Clear silicone/ white PTFE	Polyseal lined cap
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	B7990-2	-	-	-	B7800-6PS
200/pack 	-	B7990-3	B7990-12	B7990-4	-



Wash vial and cap kits

10 mL wash vial and cap kits

Performance level 2 for high-throughput applications

Description

- 20 mm vial and cap kit
- Storage box clear polypropylene with lid 25 cavities
- 22.5 mm × 46 mm (diameter × height), round bottom base
- Square edge

Product features and benefits

- Reproducible syringe clean up
- Advanced sealing, minimized evaporation of wash solvents
- Easy to apply caps
- Elimination of wash solvent contamination from septa damage or degradation
- Convenient “all in one” solution

For use with TriPlus RSH Autosamplers and CTC/PAL autosamplers/liquid handlers



Key attributes	Vial and cap kit	Cap only
	Snap cap with 6 mm hole	Snap cap with 6 mm hole
	Y-slit septum	Y-slit septum
Vial color and material	Clear glass	-
Vial total volume	10 mL	-
Cap color and material	Clear PE	Clear PE
Septum color and material	Blue transparent silicon/white PTFE 1.3 mm	Blue transparent silicon/white PTFE 1.3 mm
Ordering information	Cat. no.	Cat. no.
100/pack 	WSKT-25	WSKTCL-100



Classical (8-425 screw thread) vials, caps and kits

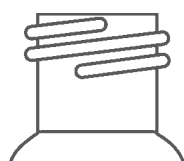
Classical 8 mm/8-425 screw thread vials

Performance level 2 for high-throughput applications

Description

- Classical 8 mm/8-425 screw thread
- Narrow neck opening
- 12 mm × 32 mm (diameter × height) flat bottom base
- Specification-certified

For use with 8 mm screw caps



Key attributes	ID patch/markings spot	ID patch/markings spot	-	-
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Usable volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL
Residual volume	170 µL	170 µL	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	60180-508	60180-560	C4013-1	C4013-2



Classical (8-425 screw thread) vials, caps and kits (continued)

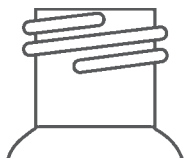
Classical 8 mm/8-425 screw thread caps

Performance level 2 for high-throughput applications

Description

- Screw thread closure (8 mm/8-425)
- Specification-certified

For use with 2 mL screw vials (and other vials with screw 8 mm/8-425 dimensions)



Key attributes	Open top	Close top	Open top	Open top cap with flange	Open top cap with flange	Open top cap with flange
Cap color and material	Black PP	Black PP	Black PP	Black PP	Yellow PP	White PP
Septum color and material	Red rubber/ clear PTFE	White silicone/ red PTFE	White silicone/ red PTFE	White silicone/ red PTFE	White silicone/ red PTFE	White silicone/ red PTFE
Septum thickness	1.3 mm	1.3 mm	1.5 mm	1.3 mm	1.5 mm	1.3 mm
Septum hardness	50° shore	35° shore	55° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	-	B7815-9	C4013-60A	C4013-63A	500 065	C4013-63W
500/pack	8-SC-8RT1	-	-	-	-	-



Classical (8-425 screw thread) vials, caps and kits (continued)

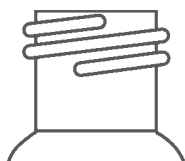
Classical 8 mm/8-425 screw thread vial and cap kits

Performance level 2 for high-throughput applications

Description

- Screw thread closure (8 mm/8-425)
- Narrow neck opening
- 12 mm × 32 mm (diameter × height) flat bottom base
- Specification-certified

For use with 8mm screw top vials and septa



Key attributes	Not assembled	Not assembled	Not assembled	Not assembled	Not assembled	Assembled
	ID patch/markings spot	ID patch/markings spot	-	-	ID patch/markings spot	-
Vial color and material	Clear glass	Clear glass	Clear glass	Clear glass	Clear glass	Amber glass
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Cap color and material	Black PP	Black PP	Black PP	Black PP	Yellow PP close top	White PP flange cap
Septum color and material	Transparent blue silicone/clear PTFE	White silicone/red PTFE	White silicone/red PTFE	White silicone/red PTFE	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.5 mm	1.3 mm	1.3 mm	1.5 mm	1.3 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	-	60180-600	C4013-15	B7800-1-9	200 420	-
1000/pack	60180-596	-	-	-	-	C4013-58AW

Performance level 3: High performance

When sensitivity is a must

Protect your most valuable samples and deliver consistent, reproducible results for your most demanding analyses

Our SureSTART Performance level 3 products are packed in a clean environment to protect them against environmental factors, and contain the lowest amounts/levels of metals, extractables and leachables; ensuring that you can get the sensitivity and selectivity from your most challenging analytes confidently and consistently.

If you need highest performance from your methods, while maintaining high levels of sample security and integrity, our Performance level 3 products will meet your needs. Select the products with the three waves.

For analytes that are prone to glass adsorption why not try our GOLD-Grade glass technology which has been specifically designed for these more challenging polar analytes, as well as our silanized vials and inserts

This offering includes SureStop vials, which, when used with 9 mm AVCS caps, ensure an optimal seal every time. The SureStop vial-AVCS cap system is specially designed to prevent screw thread vial failures such as cap tilt, cap deformities, dislodged septa or septa push through, thus prevents injection failures and sample evaporation.

Our Performance level 3 septa offer high purity, as they are conditioned to remove low- to mid-boiling volatiles, resulting in the lowest extractables and leachables in the collection. This performance level also includes soft septa options designed for optimal needle performance. These products help protect even the most fragile high-gauge needles and SPME fibers. High-temperature-compatible septa are also available within this Performance Level.

Performance level 3

for high performance applications

- All products within this Performance level are suitable for GC, HPLC/UHPLC, and nominal mass and high-resolution accurate mass (HRAM) applications
- Headspace vials and caps available from 6 mL – 20 mL
- Vials are identified by three waves and a convenient write-on patch as standard
- Vials available as screw, SureStop, snap and crimp
- Vials available in glass, GOLD-Grade glass, silanized, TPX™ (with glass-insert), and Gold-Grade polypropylene
- Vials available as clear or amber glass
- Volume sizes ranging from 0.2 mL to 20 mL covering limited sample volumes to headspace analyses
- Vials with fixed inserts are available
- Caps available as screw, screw AVCS, snap and crimp
- Use Thermo Scientific manual or electronic crimpers and decrimpers for easy application and removal of crimp caps
- LC/GC Certified, MSCERT and MSCERT+ Kits are available under Performance level 3
- Buy vials and caps in bulk for greater savings

Specification-certified

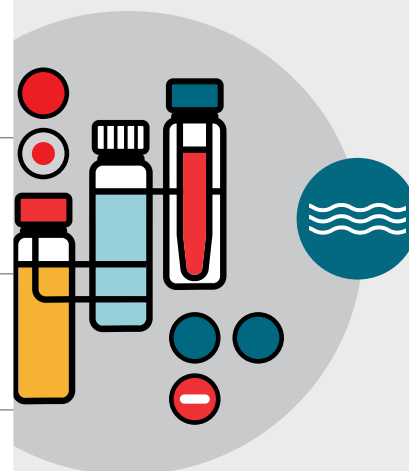
- All Thermo Scientific SureSTART vials are dimensionally verified
- Inspected by automated optical and gauge inspection to ensure critical dimensions and tolerances
- Meet all relevant requirements of the USP (US), EP (EU), and JP (Japan) pharmacopoeias

Lot traceable

- 100% traceable through the manufacturing process
- Certificate of Conformance available by lot number upon request

Performance level 3: High performance

Vials	Caps
0.2 mL TPX screw fixed-insert vial	9 mm screw caps
Glass screw fixed-insert vials	
1.4 mL total recovery glass screw vials	
1.5 mL total recovery glass screw vials	
1.7 mL high recovery glass screw vials	
2 mL glass screw vials	
2 mL GOLD-Grade glass screw vials	11 mm crimp caps
Glass crimp fixed-insert vials	
2 mL GOLD-Grade glass crimp vial	
2 mL glass crimp vials	11 mm crimp caps
Glass snap fixed-insert vials	
1.5 mL total recovery glass snap vials	11 mm snap caps
High recovery glass snap vials	
2 mL glass snap vials	
Vial inserts for 2 mL vials	-
Glass crimp headspace vials	20 mm crimp caps
Crimpers and decrimpers	
Electronic crimpers and decrimpers	
Kits	
LC/GC Certified	
TOC	
MSCERT and MSCERT+	
Assembled	





Screw vials and associated caps

(<2 mL – 2 mL vials, 9 mm caps)



What is TPX?

It is a transparent plastic (polymethylpentene) that is heat resistant and has excellent resealability.

0.2 mL TPX screw vial with glass insert

Performance level 3 for high performance analysis

Description

- Short thread screw
- 12 mm x 32 mm (diameter x height) fixed conical glass insert
- No marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw cap



Vial color and material	TPX with fixed insert
	Clear glass, amber transparent plastic
Total volume	200 µL
Usable volume	150 µL
Residual volume	1 µL
Ordering information	Cat. no.
100/pack	60180-1655

Want to learn more?



Watch this short microsampling video





Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

Glass screw fixed-insert vials

Performance level 3 for high performance analysis

Description
- Short thread screw 12 mm x 32 mm (diameter x height) fixed conical insert, flat bottom base - Marking spot - Specification-certified
For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass	Amber glass
Total volume	300 µL	300 µL
Usable volume	250 µL	250 µL
Residual volume	2 µL	2 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6PSV9-03FIVP	6PSV9-03FIVAP
10 x 100/pack 	6PSV9-03FIVPT	6PSV9-03FIVAPT
50 x 100/pack 	6PSV9-03FIVPF	6PSV9-03FIVAPF



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

1.5 mL total recovery glass screw vial

Performance level 3 for high performance analysis

Description
• Short thread screw • 12 mm × 32 mm (diameter × height) total recovery internal base • No marking spot • Specification-certified
For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass
Total volume	1.5 mL
Usable volume	1.1 mL
Residual volume	1 µL
Ordering information	Cat. no.
100/pack 	6PSV9-TR1
10 x 100/pack 	6PSV9-TR1T
50 x 100/pack 	6PSV9-TR1E



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

1.4 and 1.7 mL high recovery glass screw vials

Performance level 3 for high performance analysis

Description
• Short thread screw • 12 mm × 32 mm (diameter × height) internal V-base • No marking spot • Specification-certified
For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	Clear glass	Clear glass, silanized	Clear glass
Total volume	1.4 mL	1.7 mL	1.7 mL
Usable volume	1.0 mL	1.5 mL	1.5 mL
Residual volume	4 µL	3 µL	4 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	6PSV9-CHV1	6PSV9-SV1	6PSV9-V1
10 x 100/pack	-	-	6PSV9-V1T
50 x 100/pack	-	-	6PSV9-V1F



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

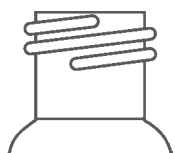
2 mL GOLD-Grade glass screw vials

Performance level 3 for high performance analysis

Description

- Short thread screw
- 12 mm × 32 mm (diameter × height), flat bottom base
- Marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	SureStop, GOLD-Grade glass	
	Clear glass	
Total volume	2 mL	
Usable volume	1.5 mL	
Residual volume	170 µL	
Ordering information	Cat. no.	
100/pack 	6PSV9-1PG	
10 x 100/pack 	6PSV9-1PGT	
50 x 100/pack 	6PSV9-1PGF	



Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

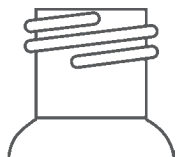
GOLD-Grade polypropylene vials

Performance level 3 for high performance analysis

Description

- Short thread screw
- 12 mm × 32 mm (diameter × height)
- No marking spot
- Specification-certified

These low-bind polypropylene vials have been coated with a 200 nm thick layer of 100% silicon dioxide providing superior chemical inertness and performance. The surface is free from anions and cations, minimizing adsorption, reducing non-specific binding and ensuring that even trace-level samples are recovered reliably.

   			
Key attributes	9 mm screw thread vial	11 mm snap vial	11 mm snap vial
	Fixed insert	Fixed insert	Fixed insert
Vial color and material	Clear GOLD-Grade PP	Clear GOLD-Grade PP	Clear GOLD-Grade PP
Total volume	0.4 mL (400 µL)	0.3 mL (300 µL)	0.8 mL
Usable volume	0.3 mL (300 µL)	0.2 mL (200 µL)	0.6 mL
Residual volume	4 µL	4 µL	6 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PSV9-04GPP	6PRV11-03GPPC	6PRV11-08GPPC

Concerned about non-specific binding (NSB)?
We recommend using our GOLD-Grade polypropylene vials





Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

2 mL glass screw vials

Performance level 3 for high performance analysis

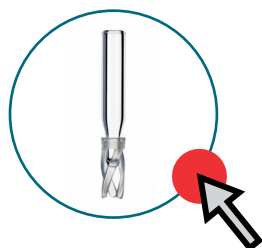
Description

- Screw
- 12 mm x 32 mm (diameter x height) flat bottom base
- Marking spot
- Specification-certified

For use with 9 mm screw caps, or 9 mm AVCS screw caps



Vial color and material	-	Silicized	SureStop	SureStop
	Clear glass	Clear glass	Clear glass	Amber glass
Total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Usable volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL
Residual volume	170 µL	170 µL	170 µL	170 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PSV9-1P	6PSV9-S1P	6PSV9-1PSS	6PSV9-2PSS
10 x 100/pack 	6PSV9-1PT	-	6PSV9-1PSST	6PSV9-2PSST
50 x 100/pack 	6PSV9-1PF	-	6PSV9-1PSSF	6PSV9-2PSSF



Need a smaller volume?

Why not use with our polyspring glass inserts



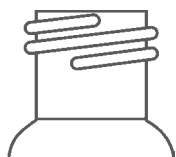
Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm screw caps

Performance level 3 for high-throughput applications

Description
- Short thread screw - Specification-certified
For use with <2 mL – 2 mL screw vials



Key attributes	AVCS cap	AVCS cap	AVCS cap
	-	Pre-slit septum	-
Cap color and material	Blue PP	Blue PP	Blue PP
Septum color and material	Red PTFE/white silicone/red PTFE	White silicone/blue PTFE	White silicone/red PTFE
Septum hardness	45° shore	55° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	6PSC9TST	6PSC9STS1	6PSC9ST1
10 x 100/pack	6PSC9TSTT	6PSC9STS1T	6PSC9ST1T
50 x 100/pack	6PSC9TSTF	6PSC9STS1F	6PSC9ST1F

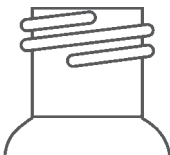


Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm screw caps (continued)

Performance level 3 for high-throughput applications

Description				
- Short thread screw - Specification-certified				
For use with <2 mL – 2 mL screw vials				
    				
Key attributes	AVCS cap	AVCS cap	AVCS cap	AVCS cap
	Soft, pre-slit septum	Soft septum	-	Pre-slit septum
Cap color and material	Blue PP	Blue PP	Red PP	Blue PP
Septum color and material	Blue silicone/clear PTFE	Blue silicone/clear PTFE	Red PTFE/ white silicone/red PTFE	Red silicone/clear PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	30° shore	30° shore	45° shore	58° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PSC9ST101X	6PSC9ST101	6PSC9TSTR	-
10 x 100/pack 	-	-	6PSC9TSTRT	-
50 x 100/pack 	-	-	6PSC9TSTRF	9-SCK(B)-8RT1X



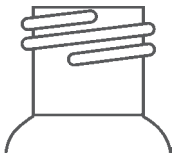
Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm screw caps (continued)

Performance level 3 for high-throughput applications

Description
- Short thread screw - Specification-certified - Screw AVCS technology
For use with <2 mL – 2 mL screw vials



Key attributes	AVCS cap	AVCS cap	AVCS cap	AVCS cap
	Pre-slit septum	-	-	Pre-slit septum
Cap color and material	Yellow PP	Yellow PP	Green PP	Green PP
Septum color and material	White silicone/ blue PTFE	Red PTFE/white silicone/ red PTFE	Red PTFE/white silicone/ red PTFE	White silicone/ blue PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	45° shore	45° shore	55° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6PSC9STS1Y	6PSC9TSTY	6PSC9TSTG	6PSC9STS1G



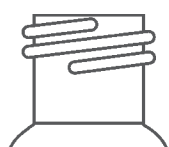
Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm screw caps (continued)

Performance level 3 for high-throughput applications

Description
- Short thread screw - Specification-certified
For use with <2 mL – 2 mL screw vials



Key attributes	AVCS cap	AVCS cap	Bonded cap	Bonded cap
	Pre-slit septum	-	Pre-slit septum	-
Cap color and material	Red PP	Red PP	Grey PP	Black PP
Septum color and material	White silicone/blue PTFE	White silicone/red PTFE	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PSC9STS1R	6PSC9ST1R	6PSC9STBS1	6PSC9STB1
10 x 100/pack 	6PSC9STS1RT	6PSC9ST1RT	6PSC9STBS1T	6PSC9STB1T
50 x 100/pack 	-	6PSC9ST1RF	6PSC9STBS1F	6PSC9STB1F



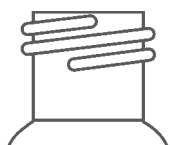
Screw vials and associated caps (continued)

(<2 mL – 2 mL vials, 9 mm caps)

9 mm screw caps (continued)

Performance level 3 for high-throughput applications

Description
• Short thread screw • Specification-certified
For use with <2 mL – 2 mL screw vials



Cap components	AVCS cap
	Magnetic cap
Cap color and material	Blue PP with gold magnetic tinplate cover
Septum color and material	White silicone/red PTFE
Septum thickness	1.0 mm
Septum hardness	45° shore
Ordering information	Cat. no.
100/pack	6PMSC9ST1



Screw vials and associated caps (continued)

(13 mm caps)

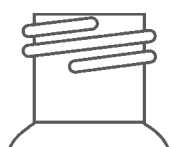
13 mm screw caps

Performance level 3 for high-throughput applications

Description

- For 13 mm/13-425 thread screw vials
- Specification-certified

For use with 4 mL screw vials or other vials with a 13 mm/13-425 screw thread



Key attributes	-	Pre-slit septum
Cap color and material	Black PP	Black PP
Septum color and material	Red PTFE/white silicone/red PTFE	White silicone/blue PTFE
Septum thickness	1.25 mm	1.5 mm
Septum hardness	55° shore	55° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	C4015-40A	C4015-55BLK

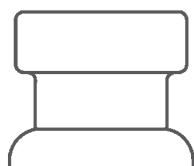


Crimp vials and associated caps (<2 mL – 2 mL, 11 mm caps)

Glass crimp fixed-insert vials

Performance level 3 for high performance analysis

Description
• Crimp • 6 mm x 32 mm (diameter x height) for the round bottom and conical 8 mm crimp vials • 12 mm x 32 mm (diameter x height) fixed conical insert, flat bottom base • Marking spot • Specification-certified
For use with 11 mm crimp caps; the round and conical crimp vials with 8 mm crimp caps



Vial color and material	Clear glass	Amber glass	Clear glass, round bottom, GOLD-Grade	Clear glass, conical bottom, GOLD-Grade
Total volume	300 µL	300 µL	300 µL	200 µL
Usable volume	250 µL	250 µL	250 µL	150 µL
Residual volume	4 µL	4 µL	2 µL	2 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6PCV11-03FIVP	6PCV1103FIVAP	6PCV8-03R1G	6PCV8-02C1G
10 x 100/pack	6PCV11-03FIVPT	6PCV1103FIVAPT	-	-
50 x 100/pack	6PCV11-03FIVPF	6PCV1103FIVAPF	-	-



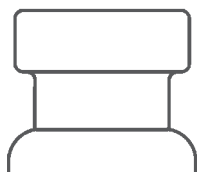
Crimp vials and associated caps (continued)

(<2 mL – 2 mL, 11 mm caps)

2 mL GOLD-Grade crimp vials

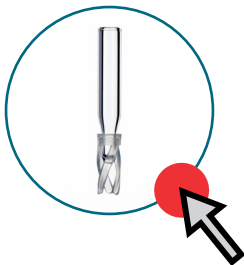
Performance level 3 for high performance analysis

Description
• Crimp • 12 mm x 32 mm (diameter x height) • Marking spot • Specification-certified
For use with 11 mm crimp caps



Vial color and material	GOLD-Grade glass
	Clear glass
Total volume	2.0 mL
Usable volume	1.5 mL
Residual volume	170 µL
Ordering information	Cat. no.
100/pack 	6PCV11G

Need a smaller volume?
Why not use with our glass inserts





Crimp vials and associated caps (continued)

(<2 mL – 2 mL, 11 mm caps)

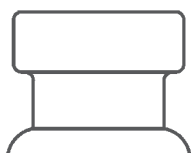
2 mL glass crimp vials

Performance level 3 for high performance analysis

Description

- Crimp
- 12 mm × 32 mm (diameter × height)
- Marking spot
- Specification-certified

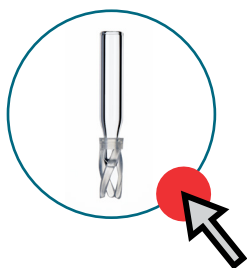
For use with 11 mm crimp caps



Vial color and material	Clear glass
Total volume	2.0 mL
Usable volume	1.5 mL
Residual volume	170 µL
Ordering information	Cat. no.
100/pack 	6PCV11-1P
10 x 100/pack 	6PCV11-1PT
50 x 100/pack 	6PCV11-1PF

Need a smaller volume?

Why not use with our glass inserts





Crimp vials and associated caps (continued)

(<2 mL – 2 mL, 11 mm caps)

11 mm crimp caps

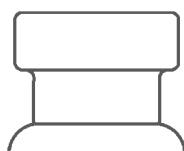
Performance level 3 for high performance analysis

Description

- Crimp closure (11 mm)
- Specification-certified

For use with <2 mL – 2 mL crimp vials, or <2 mL – 2 mL snap vials

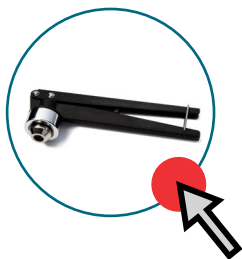
Use with 11 mm crimpers and decrimpers



Cap color and material	Silver aluminum	Silver magnetic steel
Septum color and material	Red PTFE/white silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.3 mm
Septum hardness	45° shore	57° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	6PCC11TST	6PCCMST15

Learn more about:

Manual and electronic crimpers and decrimpers





Crimp vials and associated caps (continued)

(<2 mL – 2 mL, 11 mm caps)

11 mm crimp caps (continued)

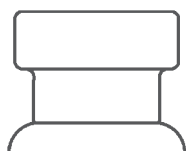
Performance level 3 for high performance analysis

Description

- Crimp closure (11 mm)
- Specification-certified

For use with <2 mL – 2 mL crimp vials, or <2 mL – 2 mL snap vials

Use with 11 mm crimpers and decrimpers



Cap color and material	Soft septum	Pre-slit septum	Soft, pre-slit septum
	Silver aluminum	Silver aluminum	Silver magnetic steel
Septum color and material	Blue silicone/clear PTFE	Blue silicone/clear PTFE	Blue silicone/clear PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm
Septum hardness	30° shore	35° shore	30° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PCC11ST101	6PCC11ST101X	6PCCMST101X



Snap vials and associated caps

(<2 mL – 2 mL vials, 11 mm caps)

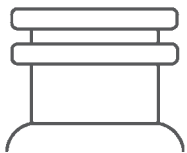
Glass snap fixed-insert vials

Performance level 3 for high performance analysis

Description

- Snap
- 11 mm x 32 mm (diameter x height) fixed conical insert, flat bottom base
- Marking spot
- Specification-certified

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



Vial color and material	Clear glass	Amber glass
Total volume	300 µL	300 µL
Usable volume	250 µL	250 µL
Residual volume	4 µL	4 µL
Ordering information	Cat. no.	Cat. no.
100/pack 	6PRV11-03FIVP	6PRV1103FIVAP
10 x 100/pack 	6PRV11-03FIVPT	6PRV1103FIVAPT
50 x 100/pack 	6PRV11-03FIVPF	6PRV1103FIVAPF



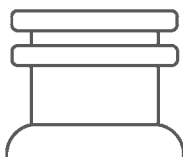
Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

1.5 mL total recovery glass snap vials

Performance level 3 for high performance analysis

Description
• Snap • 12 mm x 32 mm (diameter x height) total recovery internal base • No marking spot • Specification-certified
For use with 11 mm snap caps



Vial color and material	Clear glass
Total volume	1.5 mL
Usable volume	1.1 mL
Residual volume	1 µL
Ordering information	Cat. no.
100/pack 	6PRV11-TR1
10 x 100/pack 	6PRV11-TR1T
50 x 100/pack 	-



Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

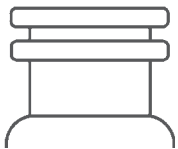
High recovery glass snap vials

Performance level 3 for high performance analysis

Description

- Snap
- 12 mm × 32 mm (diameter × height) internal V-base
- No marking spot
- Specification-certified

For use with 11 mm snap caps



Vial color and material	Silanized glass	Clear glass	Clear glass
Total volume	1.7 mL	1.7 mL	1.5 mL
Usable volume	1.5 mL	1.5 mL	1.2 mL
Residual volume	4 µL	4 µL	4 µL
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PRV11-S1V	6PRV11-1V	6PRV11-15V
10 x 100/pack 	-	-	6PRV11-15VT
50 x 100/pack 	-	-	-



Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

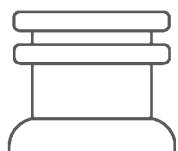
2 mL glass snap vials

Performance level 3 for high performance analysis

Description

- Snap
- 12 mm x 32 mm (diameter x height)
- Marking spot
- Specification-certified

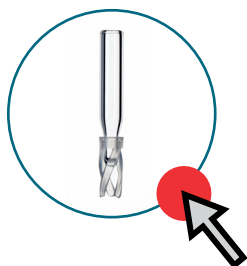
For use with 11 mm snap caps



Vial color and material	Clear glass
Total volume	2.0 mL
Usable volume	1.5 mL
Residual volume	170 µL
Ordering information	Cat. no.
100/pack 	6PRV11-1P
10 x 100/pack 	6PRV11-1PT
50 x 100/pack 	6PRV11-1PF

Need a smaller volume?

Why not use with our glass inserts





Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

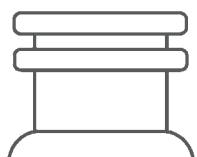
11 mm snap cap

Performance level 3 for high performance analysis

Description

- Snap closure (11 mm)
- Specification-certified

For use with <2 mL and 2 mL snap vials



Key attributes	Pre-slit septum	-	-	Star pre-slit septum
Cap color and material	Blue PE	Blue PE	Blue PE	Clear PE
Septum color and material	White silicone/blue PTFE	White silicone/red PTFE	Blue silicone/clear PTFE, soft	White silicone/red PTFE
Septum thickness	1.0 mm	1.3 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	45° shore	35° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PRC11STS1	6PRC11ST1	6PRC11ST101	6PRC11STS1X
10 x 100/pack 	6PRC11STS1T	PRC11ST1T	6PRC11ST101T	6PRC11STS1XT
50 x 100/pack 	6PRC11STS1F	6PRC11ST1F	6PRC11ST101F	6PRC11STS1XF



Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

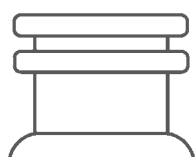
11 mm snap cap (continued)

Performance level 3 for high performance analysis

Description

- Snap closure (11 mm)
- Specification-certified

For use with <2 mL and 2 mL snap vials



Key attributes	Pre-slit septum	-	-	-
Cap color and material	Red PE	Red PE	Red PE	Red PE
Septum color and material	White silicone/blue PTFE	White silicone/red PTFE	Blue silicone/clear PTFE, soft	Red PTFE/white silicone/red PTFE
Septum thickness	1.3 mm	1.3 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	45° shore	35° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6PRC11STS1R	6PRC11ST1R	6PRC11ST101R	6PRC11TST1R
10 x 100/pack	6PRC11STS1RT	6PRC11ST1RT	6PRC11ST101RT	-
50 x 100/pack	6PRC11STS1RE	6PRC11ST1RE	6PRC11ST101RE	-



Snap vials and associated caps (continued)

(<2 mL – 2 mL vials, 11 mm caps)

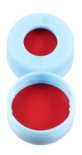
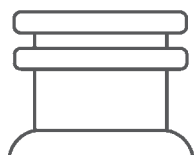
11 mm snap cap (continued)

Performance level 3 for high performance analysis

Description

- Snap closure (11 mm)
- Specification-certified

For use with <2 mL and 2 mL snap vials



Key attributes	Pre-slit septum	Pre-slit septum	Pre-slit septum	-	-
Cap color and material	Green PE	Yellow PE	Clear PE	Clear PE	Blue PE
Septum color and material	White silicone/ blue PTFE	White silicone/ blue PTFE	White silicone/ blue PTFE	Red PTFE/white silicone/red PTFE	Red PTFE/white silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Septum hardness	55° shore	55° shore	55° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PRC11STS1G	6PRC11STS1Y	6PRC11STS1C	C4011-53	C4011-53B



Inserts (2 mL vials)



Watch this short
video about inserts
with polysprings

Inserts for 2 mL vials

Performance level 3 for high-throughput applications

Description

- 6 mm × 31 mm (diameter × height)
- No marking spot
- Specification-certified

For use with 2 mL screw vials, 2 mL snap vials or 2 mL crimp vials



Insert color and material	GOLD-Grade glass	Deactivated/ silanized glass	-	GOLD-Grade glass	-	-
Total volume	0.2 mL clear conical glass insert	0.3 mL clear conical glass insert, with PE polyspring	0.3 mL conical glass insert, with PE polyspring	0.3 mL conical borosilicate glass insert, with PE polyspring	0.4 mL clear conical glass insert, with pulled point	0.4 mL clear conical glass insert, with precision point
Usable volume	200 µL	300 µL	300 µL	300 µL	400 µL	400 µL
Residual volume	150 µL	250 µL	250 µL	250 µL	350 µL	350 µL
Height	2 µL	1 µL	4 µL	4 µL	4 µL	2 µL
Outer diameter	31 mm	30 mm	30 mm	30 mm	31 mm	31 mm
Base style	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	-	6PME03C1SSP	6PME03C1SP	6PME03C1SPG	6PME04C1	6PME04CPR1
10 x 100/pack	6PME02CG	6PME03C1SSPT	6PME03C1SPT	-	6PME04C1T	-
50 x 100/pack	-	6PME03C1SSPF	6PME03C1SPF	-	6PME04C1F	-



Inserts (continued)

(2 mL vials)

Inserts for 2 mL vials (continued)

Performance level 3 for high-throughput applications

Description

- 6 mm × 31 mm (diameter × height)
- No marking spot
- Specification-certified

For use with 2 mL screw vials, 2 mL snap vials or 2 mL crimp vials



Insert color and material	-	Blue ring	Silanized
	0.4 mL clear flat bottom glass insert	0.4 mL clear flat bottom glass insert,	0.5 mL clear flat bottom glass insert
Total volume	400 µL	400 µL	500 µL
Usable volume	250 µL	250 µL	450 µL
Residual volume	12 µL	12 µL	25 µL
Height	31 mm	31 mm	31 mm
Outer diameter	5.6 mm	5.6 mm	6 mm
Base style	Flat bottom	Flat bottom	Flat bottom
Ordering information	Cat. no.	Cat. no.	Cat. no.
500/pack 	6PME04F1	6PME04F1BR	6PME05FS1



Inserts (continued) (2 mL vials)

Inserts for 2 mL vials (continued)

Performance level 3 for high-throughput applications

Description

- 5 mm diameter
- No marking spot
- Specification-certified

For use with 2 mL (8 mm) screw vials and other narrow neck vials



Insert color and material	0.15 mL clear glass conical insert, with pulled point	0.2 mL clear glass conical insert, with pulled point	0.35 mL clear glass flat bottom insert
Total volume	150 µL	200 µL	350 µL
Usable volume	125 µL	170 µL	320 µL
Residual volume	2 mL	3 mL	30 mL
Height	29 mm	31 mm	41 mm
Outer diameter	5 mm	5 mm	5 mm
Base style	Conical base	Conical base	Flat base
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4012-529	C4012-529L	-
10 x 100/pack 	-	-	C4015-542



Headspace crimp vials and associated caps

(6 mL – 20 mL vials, 20 mm caps)

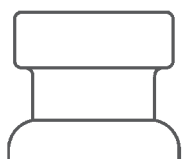
6 mL, 9.5 mL and 10 mL glass crimp headspace vials

Performance level 3 for high performance analysis

Description

- Crimp (20 mm)
- Marking spot
- Specification-certified

For use with 20 mm crimp caps



Vial color and material	Clear glass	Clear glass, no marking spot, inner V-bottom, high recovery	Clear glass	Clear glass
Total volume	6.0 mL	9.5 mL	10 mL	12.5 mL
Usable volume	5.0 mL	9.5 mL	8.0 mL	10 mL
Residual volume	0.8 mL	0.08 mL	0.8 mL	0.8 mL
Dimensions (diameter x height)	21.75 x 38 mm	22.65 x 45.2 mm	22.75 x 46 mm	23 x 46 mm
Rim and base style	Square rim, flat bottom	Square rim, flat bottom	Beveled rim, flat bottom	Square rim, flat bottom
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PCV6-1F	6PCV10-V1	6PCV10-1F	-
10 x 100/pack 	6PCV6-1FT	-	6PCV10-1FT	C4020-410
50 x 100/pack 	6PCV6-1FF	-	-	-



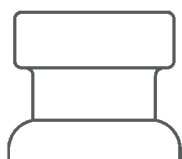
Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

20 mL glass crimp headspace vials

Performance level 3 for high performance analysis

Description
- Crimp (20 mm) - Marking spot - Specification-certified
For use with 20 mm crimp caps



Vial color and material	Clear glass	Clear glass
Total volume	20 mL	20 mL
Usable volume	18 mL	18 mL
Residual volume	0.8 mL	0.8 mL
Dimensions (diameter x height)	22.75 x 75.0 mm	22.75 x 75.0 mm
Rim and base style	Beveled rim, flat bottom	Beveled rim, round bottom
Ordering information	Cat. no.	Cat. no.
100/pack	6PCV20-1F	6PCV20-1R
10 x 100/pack	6PCV20-1FT	6PCV20-1RT
50 x 100/pack	6PCV20-1FF	6PCV20-1RF



Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

8 mm crimp caps

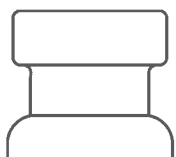
Performance level 3 for high performance analysis

Description

- Crimp closure (8 mm)
- Specification-certified

For use with <2 mL crimp vials (with neck size of 8 mm)

Use with 8 mm crimpers and decrimpers



Cap color and material	Silver aluminum	Silver aluminum
Septum color and material	Blue silicone/clear PTFE; soft	Red PTFE/white silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm
Septum hardness	30° shore	45° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	6PCC8ST101	-
200/pack 	-	C4008-2A
1000/pack 	-	201 876



Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

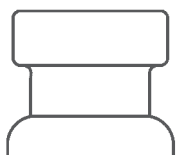
18 mm precision screw caps

Performance level 3 for high performance analysis

Description

- Screw thread closure
- Specification-certified

For use with 10 mL and 20 mL screw top headspace vials



Cap color and material	Magnetic	Magnetic	Magnetic
	Silver steel	Silver steel	Silver steel
Septum color and material	Blue silicone/clear PTFE, not prefitted	Blue silicone/clear PTFE; soft	Red silicone/natural PTFE; high temperature
Septum thickness	1.0 mm	2.0 mm	3.0 mm
Septum hardness	30° shore	40° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	-	6PMSC18-ST2	6PMSC18-STH
125/pack 	18-MS-C-ST101	-	-
10 x 100/pack 	-	6PMSC18-ST2T	6PMSC18-STHT
5000/pack 	-	6PMSC18-ST2F	-



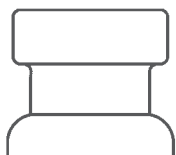
Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

20 mm crimp caps

Performance level 3 for high performance analysis

Description
- Crimp closure (20 mm) - Specification-certified
For use with 10 mL and 20 mL crimp headspace vials (with neck size of 20 mm)
Use with 20 mm crimpers and decrimpers



Cap color and material	-	Magnetic	Magnetic
	Silver aluminum	Red aluminum/magnetic tinplate	Silver aluminum/magnetic tinplate
Septum color and material	Blue silicone/clear PTFE; soft	Blue silicone/clear PTFE; soft	Red silicone/natural PTFE; high temperature
Septum thickness	3.0 mm	3.0 mm	3.0 mm
Septum hardness	40° shore	40° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack	6PCC20-ST3	6PBCC20-ST3	6PBCC20-STH
10 x 100/pack	6PCC20-ST3T	6PBCC20-ST3T	6PBCC20-STHT
50 x 100/pack	6PCC20-ST3F	6PBCC20-ST3F	-

Learn more about:

Manual and electronic crimpers and decrimpers





Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

20 mm crimp caps (continued)

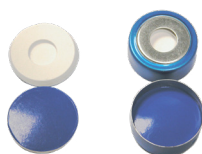
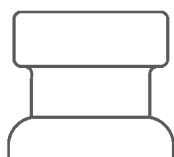
Performance level 3 for high performance analysis

Description

- Crimp closure (20 mm)
- Specification-certified

For use with 10 mL and 20 mL crimp headspace vials (with neck size of 20 mm)

Use with 20 mm crimpers and decrimpers



Cap color and material	Magnetic for SPME	Magnetic	Magnetic
	Blue aluminum/magnetic tinplate	Red aluminum/magnetic tinplate	Blue aluminum/magnetic tinplate
Septum color and material	White silicone/blue PTFE	Grey chlorobutyl/black PTFE	No septa included
Septum thickness	3.0 mm, 1.5 mm at thinned area	3.0 mm	N/A
Septum hardness	45° shore	50° shore	N/A
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PBCC20-STME	6PBCC20-CBT3	-
500/pack 	-	-	20-MCBC
10 x 100/pack 	6PBCC20-STMET	-	-
50 x 100/pack 	6PBCC20-STMEF	-	-



Headspace crimp vials and associated caps (continued)

(6 mL – 20 mL vials, 20 mm caps)

8 mm septa

Performance level 3 for high performance analysis

Description
8 mm septum - Specification-certified

For use with 8 mm caps



Key attributes	Septum (8 mm)
Color and material	Blue silicone/clear PTFE; soft
Septum thickness	1.0 mm
Septum hardness	30° shore
Ordering information	Cat. no.
500/pack 	60180-515



Stoppers and septa

9 - 13 mm stoppers and septa

Performance level 3 for high performance analysis

Description

- Specification-certified

For use with vials with neck size 9 mm and 13 mm



Key attributes	Septum (9 mm)	Septum (12 mm)	Septum (13 mm)
Color and material	Red PTFE/white silicone/red PTFE	Blue silicone/clear PTFE	Red PTFE/white silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.3 mm
Septum hardness	45° shore	30° shore	50° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4000-40	-	C4015-40
500/pack 	-	12-ST101	-



Stoppers and septa (continued)

18 - 20 mm stoppers and septa

Performance level 3 for high performance analysis

Description

- Specification-certified

For use with vials with neck size 18 mm and 20 mm



	Septum (18 mm)	Septum (18 mm)	Septum (20 mm)	Septum (20 mm)	Septum (20 mm)
Key attributes	-	-	Silicone free penetration area for spme	-	High temperature
Color and material	Blue silicone/ clear PTFE; soft	Blue silicone/ clear PTFE; soft	Blue silicone/ clear PTFE	Blue silicone/ clear PTFE; soft	Red rubber/ white PTFE
Septum thickness	1.0 mm	2.0 mm	3.0 mm/0.25 mm	1.0 mm	3.0 mm
Septum hardness	30° shore	30° shore	-	30° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	-	-	20-LLX	-	-
125/pack 	18-ST101	-	-	-	-
250/pack 	-	-	-	-	502 158
500/pack 	-	18-ST201	-	20-ST101	-



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits

1. Specification-certified kits

For everyday analysis

- Tested and certified for up to 15 critical physical specifications

2. LC/GC Certified kits

For chromatographic analysis

- Tested and certified for up to 15 critical physical specifications
- Tested and certified using LC-UV and GC-FID to ensure that there are no residual manufacturing agents present in the vial
- A certificate is provided with each kit

3. MSCERT and MSCERT+ kits

For use with mass spectrometry systems

- Our mass spec certified vials carry our highest level of certification and are recommended for low concentrations
- Tested and certified for up to 15 critical physical specifications
- Tested using LC-MS and GC-MS for low contamination
- Certification comes with the kit
- MSCERT+ kits are pre-cleaned and certified for particle count
 - Highly recommended for direct injection analysis (DIA)

	MSCERT	MSCERT+
Proprietary cleaning process to reduce particulates	—	+
Packaged in cleanroom conditions	—	+
Cleanest product available on the market	—	+
Vial/closure combination tested by GC/MS and LC/MS	+	+
Batch specific test certificate with MS-chromatograms	+	+
Closures contain very soft ultra-low bleed silicone septa with PTFE layer or bonded caps	+	+
Optimized for trace analysis	+	+



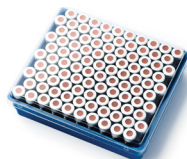
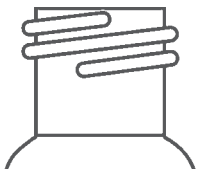
Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

Specification-certified crimp vial and cap kits

Performance level 3 for high performance analysis

Description

- 11 mm crimp vials and caps
- Specification-certified



Key attributes	Assembled	Insert with PE polyspring
	ID patch/markings spot	-
	Nitrogen purged	-
Vial color and material	Amber glass	Clear glass
Vial total volume	2.0 mL	2.0 mL outer vial, 0.3 mL glass insert
Cap color and material	Silver aluminium	Aluminium
Septum color and material	Red natural rubber/clear TEF	Red natural rubber/clear TEF
Septum thickness	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.
100/pack 	C4011-2WCV	C4011-95



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

Specification-certified screw vial and cap kits

Performance level 3 for high performance analysis

Description	
- Short thread screw kit 12 mm × 32 mm (diameter × height) fixed conical glass insert - No marking - Specification-certified	
For use with short thread screw cap closure	
 	
Key attributes	Bonded caps
	TPX vials
	0.2 mL with fixed glass insert
Vial color and material	Amber TPX
Vial total volume	200 µL
Vial usable volume	150 µL
Vial residual volume	1 µL
Cap color and material	Black screw cap
Septum color and material	White silicone/red PTFE, bonded and talcum free
Septum thickness	1.0 mm
Ordering information	Cat. no.
100/pack 	6PK1655*
Kit includes	Cat. no.
Kit vial	60180-1655
Kit closure	6PSC9STB1

*Recommended for Thermo Scientific™ Vanquish™ Neo Systems



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

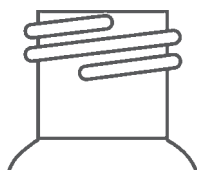
Specification-certified screw vial and cap kits (continued)

Performance level 3 for high performance analysis

Description

- Short thread screw kit
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- Specification-certified

For use with short thread screw cap closure



Key attributes	GOLD-Grade glass
	SureStop vials
	AVCS caps
Vial total volume	2.0 mL
Vial color and material	Clear glass
Cap color and material	Blue screw cap (PP)
Septum color and material	White silicone/red PTFE
Septum thickness	1.0 mm
Ordering information	Cat. no.
100/pack 	6PKG592W
Kit includes	Cat. no.
Kit vial	6PSV9-1PG
Kit closure	6PSC9ST1



Learn more about our quality materials:
Thermo Scientific SureSTART products—Innovation



Analyzing polar compounds/compounds prone to glass adsorption?
We recommend using our GOLD-Grade glass vials



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

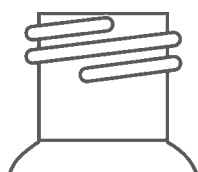
Specification-certified GOLD-Grade PP screw vial and cap kits

Performance level 3 for high performance analysis

Description

- Short thread screw kit
- 12 mm × 32 mm (diameter × height)
- No marking
- Specification-certified

These low-bind polypropylene vials have been coated with a 200 nm thick layer of 100% silicon dioxide providing superior chemical inertness and performance. The surface is free from anions and cations, minimizing adsorption, reducing non-specific binding and ensuring that even trace-level samples are recovered reliably.



Key attributes	Bonded	-	-
	Pre-slit septum	-	Pre-slit septum
Vial color and material	Clear GOLD-Grade PP	Clear GOLD-Grade PP	Clear GOLD-Grade PP
Vial total volume	0.4 mL (400 µL)	0.4 mL (400 µL)	0.4 mL (400 µL)
Cap color and material	Gray PP	Blue PP	Blue PP
Septum color and material	White silicone/red PTFE 1.0 mm	White silicone/red PTFE 1.0 mm	White silicone/blue PTFE 1.0 mm
Ordering information			
100/pack 	6PKSV9GCBS1	6PKSV9GCST1	6PKSV9GCSTS1

Concerned about non-specific binding (NSB)?

We recommend using our GOLD-Grade polypropylene vials



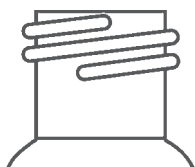


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

LC/GC Certified kits: 2 mL vials with 11 mm crimp caps

Performance level 3 for high performance analysis

Description
• 11 mm crimp vial and cap • 12 mm × 32 mm (diameter × height) flat bottom base • Marking spot • LC-MS/GC-MS Certified
For use with 11 mm crimp caps



Key attributes	ID patch/marketing spot
Vial color and material	Clear glass
Vial total volume	2.0 mL
Cap color and material	Silver aluminium crimp cap
Septum color and material	Red rubber/white PTFE
Septum thickness	1.0 mm
Septum hardness	35° shore
Ordering information	Cat. no.
100/pack 	CERT4011-89W



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

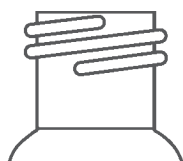
LC/GC Certified kits: <2 mL vials with 9 mm caps

Performance level 3 for high performance analysis

Description

- Short thread screw kit
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- LC/GC Certified

For use with short thread screw cap closure



Key attributes	Bonded	Bonded
	Pre-slit septum	Pre-slit septum
Vial total volume	1.5 mL total recovery vials	0.3 mL fused insert vial
Vial color and material	Clear glass	Clear glass
Cap color and material	Grey screw cap (PP)	Grey screw cap (PP)
Septum color and material	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.
100/pack 	6PCK993	6PCK71LVW
Kit includes	Cat. no.	Cat. no.
Kit vial	6PSV9-TR1	6PSV9-03FIVP
Kit closure	6ASC9STBS1	6ASC9STBS1

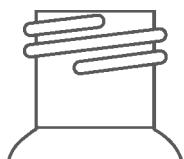


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

LC/GC Certified kits: 2 mL vials with 9 mm caps

Performance level 3 for high performance analysis

Description
• Short thread screw kit • 12 mm × 32 mm (diameter × height) flat bottom base • Marking spot • LC/GC Certified
For use with short thread screw cap closure



Key attributes	Bonded caps	Bonded caps
	Pre-slit septum	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass
Cap color and material	Grey screw cap (PP)	Grey screw cap (PP)
Septum color and material	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.
100/pack 	6PCK93W	6PCK76W
Kit includes	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-2P
Kit closure	6PSC9STBS1	6PSC9STBS1



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

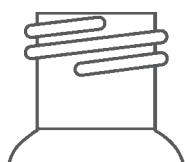
LC/GC Certified kits: 2 mL vials with 9 mm caps (continued)

Performance level 3 for high performance analysis

Description

- Short thread screw kit
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- LC/GC Certified

For use with short thread screw cap closure



	SureStop vials	SureStop vials	SureStop vials	SureStop vials
Key attributes	AVCS caps	AVCS caps	AVCS caps	AVCS caps
	Pre-slit septum	Pre-slit septum	-	-
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Cap color and material	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)
Septum color and material	White silicone/blue PTFE	White silicone/blue PTFE	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PCK593W	6PCK576W	6PCK578W	6PCK575W
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1PSS	6PSV9-2PSS	6PSV9-1PSS	6PSV9-2PSS
Kit closure	6PSC9STS1	6PSC9STS1	6ASC9ST1	6ASC9ST1

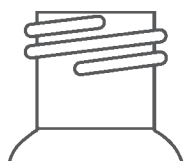


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

LC/GC Certified assembled kits: 2 mL vials with 9 mm caps

Performance level 3 for high performance analysis

Description
• Short thread screw kit • 12 mm × 32 mm (diameter × height) flat bottom base • Marking spot • LC/GC Certified
For use with short thread screw cap closure



Key attributes	Bonded	Bonded
	Pre-slit septum	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass
Cap color and material	Grey screw cap (PP)	Grey screw cap (PP)
Septum color and material	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.
100/pack 	6PCK193W	6PCK176W
Kit includes	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-2P
Kit closure	6PSC9STBS1	6PSC9STBS1



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

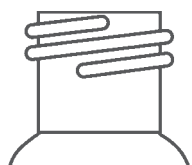
MSCERT kits

Performance level 3 for high performance analysis

Description

- Short thread screw kit
- 12 mm × 32 mm (diameter × height) flat bottom base
- Marking spot
- LC-MS/GC-MS Certified

For use with short thread screw cap closure



Key attributes	SureStop vials	SureStop vials	SureStop vials	SureStop vials
	AVCS caps	AVCS caps	AVCS caps	AVCS caps
	-	-	Pre-slit septum	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Cap color and material	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)
Septum color and material	Blue silicone/ clear PTFE	Blue silicone/ clear PTFE	Blue silicone/ clear PTFE	Blue silicone/ clear PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PMSCK534W	6PMSCK535W	6PMSCK540W	6PMSCK541W
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1PSS	6PSV9-2PSS	6PSV9-1PSS	6PSV9-2PSS
Kit closure	6PSC9ST101	6PSC9ST101	6PSC9ST101X	6PSC9ST101X

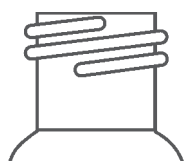


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

MSCERT kits (continued)

Performance level 3 for high performance analysis

Description
- Short thread screw kit 12 mm × 32 mm (diameter × height) flat bottom base - Marking spot - LC-MS/GC-MS Certified
For use with short thread screw cap closure



	-	-	SureStop vials	SureStop vials
Key attributes	Bonded caps	Bonded caps	Bonded caps	Bonded caps
	Pre-slit septum	Pre-slit septum	Pre-slit septum	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Cap color and material	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)	Blue screw cap (PP)
Septum color and material	White silicone/ beige PTFE	White silicone/ beige PTFE	White silicone/ beige PTFE	White silicone/ beige PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PMSCK641W	6PMSCK651W	6PMSCK601W	6PMSCK611W
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6ASV9-1P	6ASV9-2P	6PSV9-1PSS	6PSV9-2PSS
Kit closure	6ASC9STBS1	6ASC9STBS1	6ASC9STBS1	6ASC9STBS1

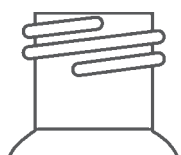


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

MSCERT+ kits

Performance level 3 for high performance analysis

Description
- Short thread screw kit 12 mm × 32 mm (diameter × height) flat bottom base - Marking spot - MSCERT+ certified and pre-cleaned
For use with short thread screw cap closure



	SureStop vials	SureStop vials	SureStop vials	SureStop vials
Key attributes	AVCS caps	AVCS caps	AVCS caps	AVCS caps
	-	-	Pre-slit septum	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL	2.0 mL	2.0 mL
Vial color and material	Clear glass	Amber glass	Clear glass	Amber glass
Cap color and material	Blue screw cap	Blue screw cap	Blue screw cap	Blue screw cap
Septum color and material	Blue silicone/clear PTFE	Blue silicone/clear PTFE	Blue silicone/clear PTFE	Blue silicone/clear PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack	6PMCK34W	6PMCK35W	6PMCK40W	6PMCK41W
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1PSS	6PSV9-2PSS	6PSV9-1PSS	6PSV9-2PSS
Kit closure	6PSC9ST101	6PSC9ST101	6PSC9ST101X	6PSC9ST101X

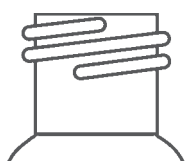


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

MSCERT+ kits (continued)

Performance level 3 for high performance analysis

Description
- Short thread screw kit 12 mm × 32 mm (diameter × height) flat bottom base - Marking spot - MSCERT+ certified and pre-cleaned
For use with short thread screw cap closure



	-	-	Fused-insert	Fused-insert
Key attributes	Bonded	Bonded	Bonded	Bonded
	-	-	-	Pre-slit septum
Vial total volume	2.0 mL	2.0 mL	0.3 mL	0.3 mL
Vial color and material	Clear glass	Amber glass	Clear glass	Clear glass
Cap color and material	Blue screw cap	Blue screw cap	Blue screw cap	Grey screw cap
Septum color and material	Clear silicon/clear PTFE	Clear silicon/clear PTFE	Clear silicon/clear PTFE	White silicon/red PTFE
Septum thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	6PMCK341W	6PMCK351W	6PMCK30LVW	6PMCK36LVW
Kit includes	Cat. no.	Cat. no.	Cat. no.	Cat. no.
Kit vial	6PSV9-1P	6ASV9-2P	6PSV9-03FIVP	6PSV9-03FIVP
Kit closure	*	*	*	6PSC9STBS1

* Not available as single part

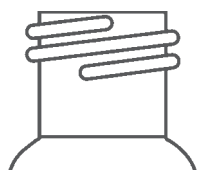


Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

MSCERT+ kits (continued)

Performance level 3 for high performance analysis

Description
- Total recovery vial - Short thread screw vial 12 mm x 32 mm (diameter x height) flat bottom base - MSCERT+ certified and pre-cleaned
For use with short thread screw cap closure



Key attributes	Total recovery
	Bonded
	Pre-slit septum
Vial total volume	1.5 mL
Vial color and material	Clear glass
Cap color and material	Grey PP screw cap
Septum color and material	White silicon/red PTFE
Septum thickness	1.0 mm
Ordering information	Cat. no.
100/pack 	6PMCK39TR
Kit includes	Cat. no.
Kit vial	6PSV9-TR1
Kit closure	6PSC9STBS1



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

EPA assembled kits: 40 mL with 24 mm caps

Performance level 3 for high performance analysis

Description

- Screw thread 24 mm (24-400)
- 28 mm × 95 mm (diameter × height) flat bottom base
- Processed and packaged under a registered ISO Quality Management System
- Laboratory certified to meet U.S. EPA Super Fund Standards in accordance with the latest edition of EPA's "Specifications and Guidance for Contaminant Free Sample Containers"
- Every case contains a Certificate of Analysis and is custody sealed to ensure reliable chain-of-custody



Key attributes	Assembled
Vial description	40 mL (24 mm) screw glass vial
Vial color and material	Clear
Cap description	Bonded white screw cap (24-400) (PP), open top
Septum color and material	White silicone/clear PTFE
Septum thickness	3.0 mm
Septum hardness	50° shore
Ordering information	Cat. no.
72/pack 	6ACK40COTAS



Specification-certified, LC/GC Certified, MSCERT and MSCERT+ kits (continued)

Thermo Scientific™ SureSTART™ TOC certified screw vial and cap kits

Performance level 3 for high performance analysis

Description

- TOC certification (20 ppb)
- TOC certification (10 ppb)

Our low-level certified vials for Total Organic Carbon testing and sampling are manufactured, tested and packaged by exacting standards. Thermo Scientific™ TOC Certified Containers are certified to contribute <10ppb or < 20ppb TOC as background.



Key attributes	Assembled	
Vial description	40 mL (24 mm) screw glass vial	
Vial color and material	Clear	
Cap description	Bonded white screw cap (24-400) (PP), open top	
Septum color and material	White silicone/clear PTFE	
Septum thickness	3.0 mm	
Septum hardness	50° shore	
Certification level	TOC certification (20 ppb)	TOC certification (10 ppb)
Ordering information	Cat. no.	Cat. no.
72/pack 	6PK40TOC20	6PK40TOC10



Storage vials and EPA kits

12 mm screw vials

Performance level 3 for high-throughput applications

Description

- Screw thread vial – 15mm/15-425 thread
- 19 x 65 mm dimensions (outer diameter x height)
- Specification-certified

For use with 15 mm screw caps



Key attributes		Silanized
Vial color and material		Amber glass
Total volume		12 mL
Usable volume		11 mL
Ordering information		Cat. no.
200/pack		B7999-S12A



Storage vials and EPA kits (continued)

EPA screw vial and cap kits

Performance level 3 for high-throughput applications

Description

- 20 mL – 40 mL screw vials with screw closures (24 mm)
- Level 200 EPA vials
- Pre-cleaned

These are processed and packaged under a strict registered ISO Quality Management System. The products are not certified to EPA standards. Every case of product is labelled with its production number and is custody sealed to ensure reliable chain-of-custody. EPA screw vials convenience kits are recommended for discrete water sampling under EPA 40 CFR 136 "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and EPA 40 CFR 141 "National Interim Primary Drinking Water Regulations: Control of Trihalomethanes in Drinking Water".



Vial color and material	Clear glass	Clear glass
Total volume	20 mL (24 mm/24-400)	40 mL (24 mm/24-400)
Cap color and material	White screw cap (PP) (24 mm), assembled	White screw cap (PP) (24 mm), assembled
Septum color and material	Clear silicone/white PTFE open top	Clear silicone/white PTFE open top
Ordering information	Cat. no.	Cat. no.
72/pack 	20-EPAVCS-PC	40-EPAVCS-PC



Classical (8-425 screw thread) vials, caps and kits

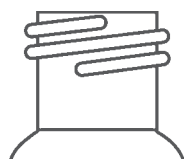
Classical 8 mm/8-425 screw thread vials

Performance level 3 for high-throughput applications

Description

- Screw thread closure (8 mm/8-425)
- Narrow neck opening
- 12 mm × 32 mm (diameter × height) flat bottom base
- Specification-certified

For use with 8 mm/8-425 screw caps



Key attributes	Conical/tapered base	Support sleeve for 1.1-STVGN*
Vial color and material	Clear glass	White pom
Total volume	1.2 mL	N/A
Usable volume	1.1 mL	N/A
Residual volume	5 µL	N/A
Ordering information	Cat. no.	Cat. no.
50/pack 	-	60180-TTS312
500/pack 	1.1-STVGN	-

* Fits every tray/rack for 2 mL vials (12 x 32 mm)



Classical (8-425 screw thread) vials, caps and kits (continued)

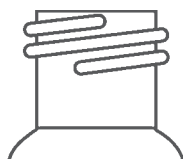
Classical 8 mm/8-425 screw caps

Performance level 3 for high-throughput applications

Description

- 8 mm screw caps
- Specification-certified

For use with 8 mm/8-425 screw vials



Key attributes	Pre-slit septum	Pre-slit septum	-	-	Pre-slit septum
Cap color and material	Black PP with flange	Black PP with flange	Black PP	Black PP	Red PP
Septum colour and material	White silicone/blue PTFE	White silicone/red/PTFE	Red PTFE/white silicone/red PTFE	White silicone/red/PTFE	White silicone/red/PTFE
Septum thickness	0.9 mm	1.5 mm	1.0 mm	1.3 mm	1.3 mm
Septum hardness	55° shore	55° shore	45° shore	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
100/pack 	C4013-64A	C4013-77A	C4013-40A	-	500 077
500/pack	-	-	-	8-SC-ST15	-



Classical (8-425 screw thread) vials, caps and kits (continued)

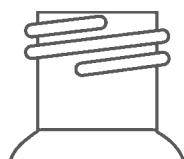
Classical 8 mm/8-425 caps and septa

Performance level 3 for high-throughput applications

Description

- Screw thread closure (8 mm/8-425)
- Specification-certified

For use with vials with an 8 mm/8-425 screw thread



Key attributes	Bonded	Bonded, pre-slit
Cap color and material	Black PP	Black PP
Septum colour and material	White silicone/red PTFE	White silicone/red PTFE
Septum thickness	1.3 mm	1.3 mm
Septum hardness	45° shore	45° shore
Ordering information	Cat. no.	Cat. no.
100/pack 	C4013-65A	C4013-69A

SureSTART vials and caps accessories

Manual crimpers and decrimpers

Manual crimpers



Product description	Red manual crimper				Black manual crimper
Suitable for	8 mm crimp caps	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps	32 mm crimp caps
Key attributes	Adjustable and are not for flip top/flip off closures				
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
1/pack 	60180-CR8	60180-CR11	60180-CR13	60180-CR20	C4032-100



Product description	Stainless steel manual crimper				
Suitable for	-	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps	-
Key attributes	Crimper can be sterilized, for clean room applications. Adjustable and are not for flip top/flip off closures.				
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	
1/pack 	-	C4012-100SS	C4013-100SS	60180-CR20SS	-



Product description	Black manual crimper				
Suitable for	-	-	13 mm crimp caps	20 mm crimp caps	-
Key attributes	Can be used for flip top/flip off caps				
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	
1/pack 	-	-	C4013-100F	C4020-100F	-

Manual crimpers and decrimpers (continued)

Manual decrimpers



Product description	Stainless steel manual decrimper				
Suitable for	-	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps	-
Key attributes	Crimper can be sterilized, for clean room applications. Not adjustable.				
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	
1/pack 	-	C4012-102SS	C4013-102SS	C4020-102SS	-



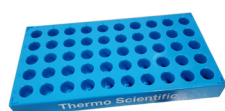
Product description	Black manual decrimper				
Suitable for	8 mm crimp caps	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps	32 mm crimp caps
Key attributes	Not adjustable				
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.	Cat. no.
1/pack 	C4008-102	60180-DCR11	60180-DCR13	60180-DCR20	C4032-102

Storage

Vial racks

Description

- 50 cavities (5 x 10)
- No lid, reusable



Product description	Vial rack for 2 mL vials (12 x 32 mm)	Vial rack for 4 mL vials (15 x 45 mm)
Color and material	Blue PP	Blue PP
Ordering information		
1/pack	6EVR1232B	C4015-25

Description

This 54-vial plate is designed in the ANSI/SLAS (SBS) standard microplate footprint, ensuring compatibility with chromatography systems that support this format, including Thermo Scientific™ Vanquish™ LC systems and PAL System autosamplers from CTC Analytics. Integrated barcodes enable Vanquish LC systems to automatically identify the plate type and verify correct orientation.

- 54 cavities (6 x 9)
- No lid, reusable



Product description	Vial rack for 12 x 54 mm vials
Color and material	Aluminium
Ordering information	
1/pack	60180-1232

Storage

Vial storage

Description

- Storage box
- Suitable for freezer storage
- 100 cavities
- Alphanumeric grid



Product description	Vial storage box for 2 mL vials (12 x 32 mm)
Color and material	PP – 5 assorted colours
Ordering information	
1/pack	B-100

Description

- Drawer unit/mini storeroom
- 5.5" x 5.5" x 12" (d x w x h)
- 6 x 100 cavities



Product description	Vial storage unit for 600 (6 packs of 100) of 2mL (12 x 32 mm) vials
Color and material	Blue Plastic with 6 transparent drawers
Ordering information	
1/pack	C4000-MS

Electronic crimpers and decrimping tools

Electronic crimpers and decrimpers

The Thermo Scientific electronic crimper portfolio includes tools for 8 mm, 11 mm, 13 mm, and 20 mm crimp caps.

The tools provide all important settings like actual crimp power at one glance. The hand-held crimpers and decrimpers allow crimping of vials with aluminum, pressure release and bi-metal caps while remaining in most sample trays.

The crimp head selection includes also special crimp heads for 13 mm and 20 mm flip-off caps, further specials are available on request.

Attach or remove crimp vial seals with high sample security with a simple, one-handed push of a button.

Electronic hand-held crimpers and decrimpers

The battery charge icon on the color screen of the hand-held tools changes to red when battery is low. Each hand-held tool comes with fully rechargeable lithium ion battery and universal power supply/recharger and international plug adapters.

For steel caps and/or high numbers of crimp or decrimp processes per day we recommend the Thermo Scientific™ High-Power Crimp Station as it provides high crimping force independent from any battery charge status.



Versatile and programmable crimp station

Electronic crimpers and decrimpers features and benefits

- Tools available for use with 8 mm, 11 mm, 13 mm, and 20 mm crimp vial caps
- Available as handheld and high-power models
- These electronic vial crimpers also feature adjustable settings for best crimp results and a motor with extended lifetime and no particle emission
- Interchangeable crimper and decrimper jaw sets for Thermo Scientific™ Programmable Electronic High-Power Crimp Stations
- One hand operation with a simple push of a button
- Error message feedback after the incorrect crimping process
- Adjustable settings for best crimp results
- Actual crimp power setting displayed on the color screen.
- 8 different languages available—English, Chinese, Japanese, German, French, Spanish, Italian, Korean
- Motor with extended lifetime and no particle emission
- Free hands for faster crimping operations with the adjustable Thermo Scientific™ Accessory Base for Programmable Electronic High-Power Crimp Stations (Cat. no. ECRH-STAND)
- Each programmable electronic high-power crimp station comes with 12-volt DC supply with power cord
- Crimp and decrimp heads for the programmable electronic high-power crimper are included in the kits or available separately

Electronic crimpers and decrimping tool (continued)

Electronic hand-held battery-operated crimper (black)

Generation 4



Product description	Electronic hand-held battery-operated crimper (black). Generation 4, not for flip top/flip off closures			
Suitable for	8 mm crimp caps	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
1/pack 	60180-ECR8	60180-ECR11	60180-ECR13	60180-ECR20

Electronic hand-held battery-operated decrimper (black)

Generation 4

Product description	Electronic hand-held battery-operated decrimper (black). Generation 4			
Suitable for	-	11 mm crimp caps	13 mm crimp caps	20 mm crimp caps
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
1/pack 	-	60180-EDCB11	60180-EDCB13	60180-EDCB20

Electronic crimper for flip top/flip off crimp closures

Product description	13 mm electronic crimper	20 mm electronic crimper for flip top/flip off closures
Ordering information	Cat. no.	Cat. no.
1/pack 	60180-ECR13FO	60180-ECR20FO

Electronic crimpers and decrimping tools (continued)

Electronic high-power programmable crimp station Generation 2



Product description	Electronic high-power crimp station (without crimp heads) (black). Generation 2		
Ordering information	Cat. no.		
1/pack 	60180-ECRHB		



Electronic high-power programmable crimper kits

Product description	Electronic high-power programmable crimper kit		
Suitable for	11 mm	13 mm	20 mm
Include	11 mm crimp head 11 mm decrimp head	13 mm crimp head 13 mm decrimp head	20 mm crimp head 20 mm decrimp head
Ordering information	Cat. no.	Cat. no.	Cat. no.
1/pack 	60180-ECRH11KIT	60180-ECRH13KIT	60180-ECRH20KIT

Electronic crimpers and decrimping tools (continued)

Accessories for electronic high-power programmable crimper



Product description	Accessory base for electronic crimpers: Height adjustable and solvent resistant (consists of base plate and bar)		
Ordering information	Cat. no.		
1/pack 	ECRH-STAND		



Product description	8 mm crimp head	11 mm crimp head	13 mm crimp head	20 mm crimp head
Ordering information	Cat. no.	Cat. no.	Cat. no.	Cat. no.
1/pack 	ECMJ-8	ECMJ-11	ECMJ-13	ECMJ-20

Product description	13 mm flip top/flip off crimp head	20 mm flip top/flip off crimp head
Ordering information	Cat. no.	Cat. no.
1/pack 	ECMJ-13FO	ECMJ-20FO

Accessories for electronic high-power programmable decrimper

Product description	11 mm decrimp head	13 mm decrimp head	20 mm decrimp head
Ordering information	Cat. no.	Cat. no.	Cat. no.
1/pack 	ECDJ-11	ECDJ-13	ECDJ-20

WebSeal Performance level 1 products



Well plates and mats

Performance level 1 for everyday analysis

A full selection of high quality sample well plates for your UHPLC, LC and GC applications

We offer a comprehensive range of Thermo Scientific™ 96- and 384-well plates designed for both complex and routine analyses in high-throughput screening laboratories.

Our broad selection of polypropylene (PP) well plates meets ANSI and SBS standards and is available with various sealing options, ensuring compatibility with most manifolds, autosamplers, and robotic systems.



Handle more samples in less time

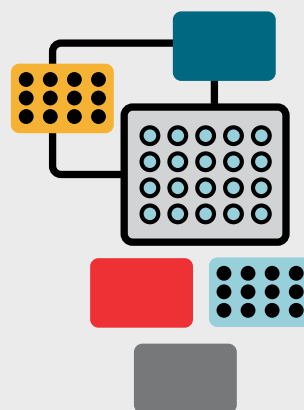
- Low volume and high recovery cavity

Solutions for all applications

- Chromatography tested for solvent compatibility and inertness

Ultimate sample security

- Low-leachable, high-purity materials and manufacturing processes





Well plates and mats (continued)

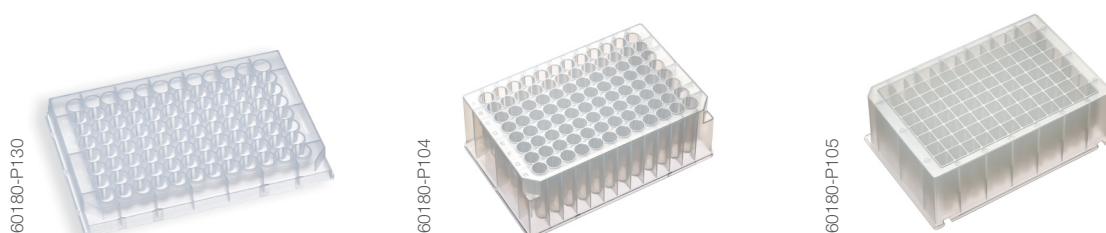
Performance level 1 for everyday analysis

WebSeal well plates

Plastic, non-coated, non-sterile, chromatography tested

Description

- Thermo Scientific WebSeal well plates are manufactured from a GC/MS tested PP material
- Microplates are chemically and thermally resistant and will tolerate temperatures from -80° C to +121 °C
- SBS and ANSI standard footprint design for broad instrument compatibility
- Microplates are ideal for pharmaceutical applications, sample collection and storage, combinatorial chemistry and HTS applications
- U- and V- bottom wells for optimal sample recovery



Description	Total height	Well format	Total volume (μL)	Working volume range (μL/well)	Pack size	Cat. no.
96-well microplate, round well	14.4	V-shape, 8 mm diameter	450	10-400	20	60180-P100
	14.4	V-shape, 8 mm diameter	450	10-400	120	60180-P130
	14.5	U-shape, 8 mm diameter	500	20-450	10	60180-P102
	14.5	U-shape, 8 mm diameter	500	20-450	120	60180-P132
96-well plates, round well	26.5	U-shape, 8 mm diameter, mid height plate	1100	50-900	50	60180-P154
	31.6	U-shape, 8 mm diameter, mid height plate	1300	50-1000	5	60180-P103
	31.6	U-shape, 8 mm diameter, mid height plate	1300	50-1000	50	60180-P133
	45.3	U-shape, 8 mm diameter, deep-well plate	2000	50-1900	5	60180-P104
	45.3	U-shape, 8 mm diameter, deep-well plate	2000	50-1900	50	60180-P124
96 deep well plate, square well	31.9	U-shape, square, mid height plate	1600	50-1300	96	60180-P155
	43.7	V-shape, square, deep-well plate	2000	50-1900	5	60180-P105
	43.7	V-shape, square, deep-well plate	2000	50-1900	50	60180-P135
384-well microplate	15.5	V-shape, square, micro titer plate	145	4-120	10	60180-P109
	15.5	V-shape, square, micro titer plate	145	4-120	100	60180-P129
	22.0	V-shape, square, mid-height plate	252	5-240	5	60180-P107
	22.0	V-shape, square, mid-height plate	252	5-240	100	60180-P127



Well plates and mats (continued)

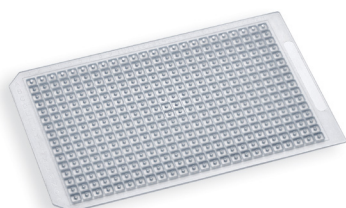
Performance level 1 for everyday analysis

WebSeal mats and sealing tapes, non-sterile

For plates with round and square wells of 8 mm or 384-well plates

Description

- Mats manufactured of EVA (Ethylene-vinyl acetate) or pure silicone with or without PTFE coating
- The footprint permits plates to be securely stacked without robotic arm interference
- Eliminates cross contamination of samples
- Dry heat autoclavable (only silicone mats) with excellent chemical compatibility, withstand low temperature to -80 °C
- Resists coring and tearing
- Superior resealability after multiple injections
- Available pre-slit for easy penetration and reduced vacuum formation
- Sealing tapes minimize evaporation and protect samples from contamination and spilling.
- Adhesive seals effectively seal all microplate formats
- Wide range of adhesive seals for every assay
- Thin, lightweight tapes seal onto the plate with a convenient, handheld applicator (available separately, Cat. no. 60180-M950)



60180-M126



60180-M121



60180-M123



60180-M999



Well plates and mats (continued)

Performance level 1 for everyday analysis

WebSeal mats and sealing tapes, non-sterile Continued

For plates with round and square wells of 8 mm or 384-well plates

Description	Color	Material	Well design	Pre-slit	Pack size	Cat. no.
WebSeal mats CLR silicone mat, round well	Clear	Silicone	96 round well, 8 mm diameter, flat base	Yes	10	60180-M100
	Clear	Silicone	96 round well, 8 mm diameter, flat base	Yes	50	60180-M130
	Clear	Silicone	96 round well, 8 mm diameter, flat base with cross	No	50	60180-M184
WebSeal mats (alcohol resistant), round well	Clear	EVA	96 round well, 8 mm diameter	No	5	60180-M101
	Clear	EVA	96 round well, 8 mm diameter	No	50	60180-M171
WebSeal CLR silicone mat, round well	Clear	Silicone	96 round well – flat base, 8 mm diameter, large penetration area	No	5	60180-M134
	Clear	Silicone	96 round well – flat base, 8 mm diameter, large penetration area	Yes	5	60180-M183
WebSeal mats (solvent resistant), round well	Blue	Silicone/PTFE	96 round well – flat base, 8 mm diameter, large penetration area	No	5	60180-M102
	Blue	Silicone/PTFE	96 round well – flat base, 8 mm diameter, large penetration area	Yes	5	60180-M103
WebSeal mats (alcohol resistant), square well	Clear	EVA	96 square well – flat base	No	5	60180-M177
	Clear	EVA	96 square well – flat base	No	50	60180-M178
WebSeal CLR silicone mat, square well	Clear	Silicone	96 square well – flat base, 8 mm diameter, large penetration area	No	5	60180-M121
	Clear	Silicone		Yes	5	60180-M123
	Clear	Silicone	96 square well – flat base, 8 mm diameter, flat base with cross	No	50	60180-M185
	Clear	Silicone	384 square well	No	5	60180-M126
	Clear	Silicone	384 square well	Yes	5	60180-M150
	Clear	Silicone	384 square well, flat base with cross	No	50	60180-M186
Sealing tape, -40 °C – 90 °C	Clear	PE/silicone	-	No	100	60180-M142
Sealing tape, -70 °C – 100 °C	Clear	PES/silicone	-	No	100	60180-M143
Sealing tape, -80 °C – 120 °C	Silver	Aluminum/silicone	-	No	100	60180-M144
Sealing tape with SRA (synthetic rubber adhesive)	Clear	Polyolefin/rubber	-	No	100	60180-M145
Re-sealing tape with 3 layer no adhesive at cavity area	Clear	PET/silicone/	-	Yes	100	60180-M146
	Clear	PET	-	Yes	25	60180-M176
Hand held sealing tape applicator	Gold	-	-	-	2	60180-M950
Hand held mat applicator	Black	-	-	-	1	60180-M999
WebSeal cutter for vial removal	Silver	-	-	-	1	60180-M975

WebSeal Performance level 2 products



Well plates and mats

Performance level 2 for high-throughput applications

WebSeal well plates

Plastic, non-coated, non-sterile, certified

Description

- PP microplates are manufactured from ultra low bleed high purity basis resin
- Plates are tested by GC-MS and LC-MS for organic extractables
- Microplates are chemically and thermally resistant and will tolerate temperatures from -80 °C to +121 °C
- SBS and ANSI standard footprint design for broad instrument compatibility
- Microplates are ideal for pharmaceutical applications, sample collection and storage, combinatorial chemistry and HTS applications
- U- and V- bottom wells for optimal sample recovery, total V-plates for low volume applications



60180-P201



60180-P202



60180-P204



Well plates and mats (continued)

Performance level 2 for high-throughput applications

WebSeal well plates

Plastic, non-coated, non-sterile, certified

Description	Total height	Well format	Total volume (μL)	Working volume range μL/well	Pack size	Cat. no.
96-well microplate, low volume	15.0	Total V-shape, 5.6 mm diameter	100	5-80	50	60180-P210
96-well microplate, round well	14.7	Flat bottom, 7 mm diameter	380	10-350	100	60180-P205
	14.7	Flat bottom, 7 mm diameter	380	10-350	10	60180-P215
	14.7	U-shape, 7 mm diameter	320	10-300	100	60180-P206
	14.7	U-shape, 7 mm diameter	320	10-300	10	60180-P216
	14.7	V-shape, 7 mm diameter	290	10-250	100	60180-P207
	14.7	V-shape, 7 mm diameter	290	10-250	10	60180-P217
	14.7	V-shape, 7 mm diameter	290	10-250	10	60180-P217
96-well mid height plates, round well	33	U-shape, 7 mm diameter	1000	50-900	50	60180-P228
	41.6	U-shape, 7 mm diameter	1200	50-1100	50	60180-P201
	41.6	U-shape, 7 mm diameter	1200	50-1100	5	60180-P211
96 deep well plate, square well	44.4	V-shape, 8 mm diameter	2000	50-1900	50	60180-P202
	44.4	V-shape, 8 mm diameter	2000	50-1900	5	60180-P212
384-well microplate	14.4	U-shape, square, micro titer plate	58	2-35	60	60180-P203
	14.4	U-shape, square, micro titer plate	58	2-35	10	60180-P213
	30.2	V-shape, square, deep well plate	300	5-240	48	60180-P204
	30.2	V-shape, square, deep well plate	300	5-240	6	60180-P214



Well plates and mats (continued)

Performance level 2 for high-throughput applications

WebSeal mats, non-sterile

For certified well plates with 7 mm round well cavities,
8 mm square wells or 384-well plates

Description

- Manufactured of pure silicone with or without PTFE coating
- The footprint permits plates to be securely stacked without robotic arm interference
- Eliminates cross contamination of samples
- Dry heat autoclavable with excellent chemical compatibility, withstand low temperature to -80 °C
- Resists coring and tearing
- Superior resealability after multiple injections
- Available pre-slit for easy penetration and reduced vacuum formation



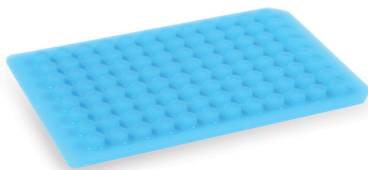
60180-M149



60180-M121



60180-M123



60180-M112



60180-M111



60180-M120



Well plates and mats (continued)

Performance level 2 for high-throughput applications

WebSeal mats, non-sterile (continued)

For certified well plates with 7 mm round well cavities,
8 mm square wells or 384-well plates

Description	Color	Material	Well design	Pre-slit	Pack size	Cat. no.
WebSeal mat (alcohol resistant), round well	Clear	EVA	96 round well, 7 mm diameter	No	100	60180-M179
WebSeal CLR silicone mat, round well	Clear	Silicone	96 round well – flat base, 5.6 mm diameter, cross	No	50	60180-M210
	Clear	Silicone	96 round well – flat base, 7 mm diameter, large penetration area	No	5	60180-M105
	Clear	Silicone	96 round well – flat base, 7 mm diameter, large penetration area	Yes	5	60180-M116
	Clear	Silicone	96 round well – 7 mm diameter, step, small penetration area	Yes	5	60180-M113
	Clear	Silicone	96 round well – 7 mm diameter, step, small penetration area	No	5	60180-M149
WebSeal CLR silicone mat, square well	Clear	Silicone	96 square well – flat base, 8 mm diameter, flat base with cross	No	50	60180-M185
	Clear	Silicone	96 square well – flat base, 8 mm diameter, large penetration area	No	5	60180-M121
	Clear	Silicone	96 square well – flat base, 8 mm diameter, large penetration area	Yes	5	60180-M123
	Clear	Silicone	384 square well for 384-well plates	No	5	60180-M126
	Clear	Silicone	384 square well for 384-well plates	Yes	5	60180-M150
	Clear	Silicone	384 square well, flat base with cross for 384 microtiter plates	No	50	60180-M186
WebSeal mat (solvent resistant), round well	Blue	Silicone/PTFE	96 round well – flat base, step, 7 mm diameter	No	5	60180-M111
	Blue	Silicone/PTFE	96 round well – flat base, step, 7 mm diameter	Yes	5	60180-M112
WebSeal mat (solvent resistant), square well	Blue	Silicone/PTFE	96 square well – flat base, 8 mm diameter, large penetration area	No	5	60180-M120
	Blue	Silicone/PTFE	96 square well – flat base, 8 mm diameter, large penetration area	Yes	5	60180-M122
	Blue	Silicone/PTFE	384 square well for 384-well plates	No	5	60180-M125
	Blue	Silicone/PTFE	384 square well for 384-well plates	Yes	5	60180-M131
WebSeal mat	Blue	Silicone/PTFE	96 round well – dome base, 7.2 mm diameter	No	5	60180-M108
	Blue	Silicone/PTFE	96 round well – dome base, 7.2 mm diameter	Yes	5	60180-M115

WebSeal Performance level 3 products



Well plates and mats

Performance level 3 for high performance analysis

WebSeal Plate+ plates

Glass coated microplates

Description

- High quality low-bind PP microplates coated with 200 nm thick layer of silicon dioxide
- Plate+ provides microplates with a chemical resistance similar to glass while retaining the advantages of PP
- Cost-effective alternative to inserted glass vials
- Excellent for applications where plastic microplates are not applicable
- Plate+ is chemically and thermally resistant and will tolerate temperatures from -80° C to +80° C
- Lightweight, precision molded, cost-effective alternative to solid glass plates
- The surface is free from anions and cations, minimizing adsorption, reducing non-specific binding and ensuring that even trace-level samples are recovered reliably



Description	Total height	Well format	Total volume (μL)	Working volume (μL)	Pack size	Cat. no.
96-well microplate, round well	14.4	U-shape, 7.0 mm diameter	320	250	10	60180-P330
	14.4	V-shape, 7.0 mm diameter	350	300	10	60180-P332
	14.4	Flat bottom, 7.0 mm diameter	400	350	10	60180-P334
	14.4	V-shape, 7 mm diameter	350	300	100	60180-P333
96-well mid height plate, round well	26.5	U-shape, 8 mm diameter	1100	50 to 900	10	60180-P350
	33	U-shape, 7 mm diameter	1000	50 to 900	10	60180-P343
	40.6	U-shape, 7 mm diameter	1.2 mL	1.0 mL	10	60180-P336
96 deep well plate, square well	43.7	V-shape, 8 mm diameter	2.4 mL	2.0 mL	10	60180-P338
384-well microplate	14.4	Square-rounded, flat, micro titer plate	120	90	10	60180-P340
	14.4	Square-rounded, flat, micro titer plate	120	90	100	60180-P341
	22.0	Square-rounded, U-shape, deep well plate	240	180	6	60180-P342



Well plates and mats (continued)

Performance level 3 for high performance analysis

WebSeal glass inserted plate kits

With 96-position mats

Description

- Convenient wellplate kits with pre-assembled glass vials
- Replacement parts for kits available separately
- Unique cutting tool allows removal of individual samples with the seal in place, eliminating cross contamination
- Mats with solid plugs are used for sample storage



60180-K100



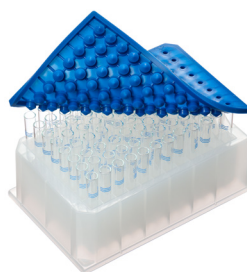
60180-K101



60180-K104



60180-K106



60180-K107



60180-K108



Well plates and mats (continued)

Performance level 3 for high performance analysis

WebSeal glass inserted plate kits (continued)

With 96-position mats

Kit type	Vial material	Total volume (µL)	Vial dimension (mm)	Profile	Mat material	Total height (mm)	Pack size	Vial cat. no.	Mat cat. no.	Kit cat. no.
96-well small volume microplate with sealing mat	Clear glass	500	6.5 x 31	Taper	Silicone/PTFE	32.0	5	60180-V100	60180-M151	60180-K100
96-well small volume microplate with sealing mat and cutting tool	Clear glass	700	6.5 x 41.4	Taper	Silicone/PTFE	44.0	5	60180-V101	60180-M151	60180-K101
	Clear glass	1100	7.45 x 38.5	Round	Silicone/PTFE	41.5	5	60180-V104	60180-M153	60180-K104
96 deep well plate with sealing mat	Clear glass	1500	7.25 x 60.5	Round	Silicone/PTFE	64.5	5	60180-V106	60180-M153	60180-K106
96 square well plate with sealing mat	Clear glass	1000	7.6 x 45	Constricted	Silicone/PTFE	47.3	1	-	60180-M153	60180-K107
96 square well plate with sealing mat	Clear glass	1000	7.6 x 45	Constricted	Silicone/PTFE Precut	47.3	1	-	60180-M154	60180-K108

WebSeal kit accessories

WebSeal kit accessories

WebSeal 96-well mats

Silicone/PTFE

Kit type	Details	Pre-slit	Pack size	Cat. no.
96-well WebSeal mat	60180-K100, 60180-K101	No	5	60180-M151
		Yes	5	60180-M152
96-well WebSeal mat	60180-K104, 60180-K106	No	5	60180-M153
		Yes	5	60180-M154
96-well WebSeal mat, welled plugs	60180-K107	No	5	60180-M153
	60180-K108	Yes	5	60180-M154
WebSeal cutter for vial removal	-	-	1	60180-M975



60180-M151



60180-M154

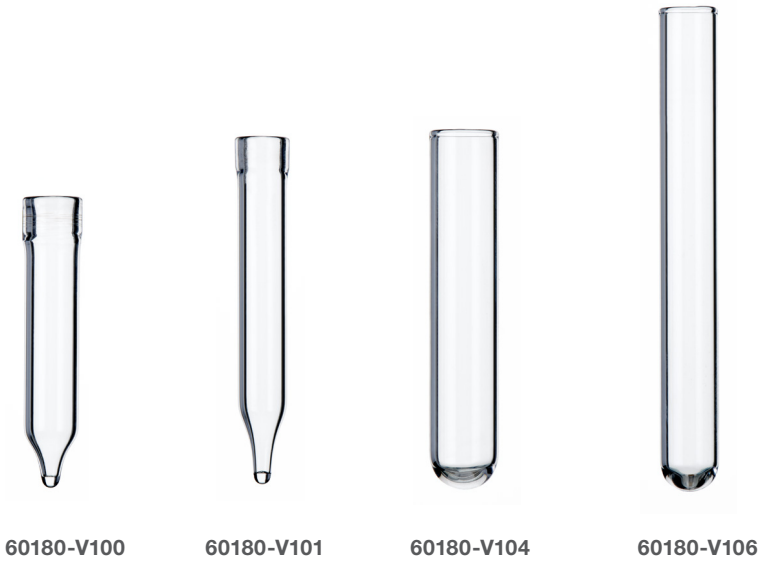


60180-M975

WebSeal kit accessories (continued)

Plate vials For 96-wells

Kit type	Vial material	Total volume (μL)	Vial dimension (mm)	Profile	Pack size	Cat. no.
Micro titer plate vial for 96-wells	Clear glass	500	6.5 x 31	Taper	500	60180-V100
	Clear glass	700	6.5 x 41.4	Taper	500	60180-V101
	Clear glass	1100	7.45 x 38.5	Round	500	60180-V104
Deep well plate vial for 96-wells	Clear glass	1500	7.25 x 60.5	Round	500	60180-V106



WebSeal kit accessories (continued)

Well plates and racks

Kit type	Plate/ rack material	Total volume (μ L)	Profile	Total height (mm)	Pack size	Cat. no.
Plastic 96 round well micro titer plate (60180-K100)	PP	800	V-shape, 7 mm diameter	31.5	5	60180-P400
PP 96 round well micro rack (60180-K101)	PP	1200	U-shape, 7 mm diameter	41.6	5	60180-P211
PP 96-well square well plate (60180-K107/108)	PP	2000	U-shape, square	44.0	1	60180-P403
PP 96-well square well plate (60180-K106)	PP	2000	V-shape, square	44.0	5	60180-P212



60180-P400

Plate vials and accessories

For 96-wells

Kit type	Vial material	Total volume (µL)	Vial dimension (mm)	Profile	Septum	Pack size	Cat. no.
Deep well plate vial for 96-wells	Clear glass	350	6 x 42.5	Taper	-	960	60180-V109
Square well vial for 96-wells	Clear glass	1000	7.6 x 45.9	Round	-	960	60180-V110
PE cap, red, center hole for 96-well plate inserts	-	-	-	-	Silicone/PTFE, pre-slit, 45°	96	60180-C100
Micro-tube-rack-system, positions (Cat. no. 60180-K104)	-	-	-	-	-	96	60180-P407



60180-V109



60180-V110

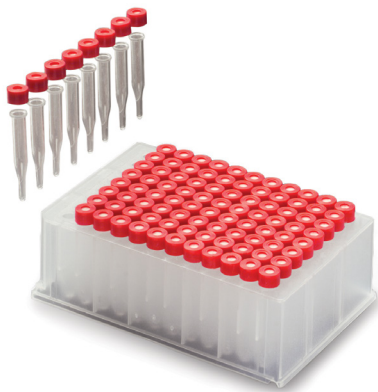


60180-C100

WebSeal clear glass inserted plate kits
With individual closures

Description								
96 position block systems with glass inserts are used when the pure PP block is not inert enough - Inserts manufactured from clear, Type 1 Class A Glass - Inserts are sealed individually with a PE Cap Seal and can be easily removed and used externally without risk of losing sample - The products can be obtained as individual components or as completely assembled, ready-to-use convenience blocks								

Kit type	Total volume (µL)	Vial dimension (mm)	Profile	Septum	Pack size	Vial cat. no.	Cap cat. no.	Kit cat. no.
96-well deep plate	350	6 x 42.5	Taper	Silicone/PTFE, pre-slit, 45°	1	60180-V109	60180-C100	60180-K201
96-well square plate	1000	7.6 x 45.9	Round	Silicone/PTFE, pre-slit, 45°	1	60180-V110	60180-C100	60180-K203



60180-K201



60180-K203

Barcoded well plates for Vanquish HPLC and UHPLC systems

Description

- These well plates provide advanced sample security and sample integrity.
- This secure choice offers a tested portfolio for chromatography applications
- Barcoded well plates have an assured plate fit and a pre-applied orientation barcode in the correct reader position; therefore there is no risk of placing the plate incorrectly
- The secured side orientation in the autosampler alleviates the risk of starting the sequence in the wrong plate orientation
- The instrument controls plate orientation and verifies the plate before implementing the sequence

Description	Total height	Well format	Total volume (µL/well)	Working volume range (µL/well)	Pack size	Cat. no.
Performance Level 1						
96-well mid height plate, round well, barcoded	31,6	U-shape, 8 mm diameter	1300	50-1000	5	60180-P103B
	31,6	U-shape, 8 mm diameter	1300	50-1000	50	60180-P133B
96 deep well plate, square well, barcoded	44	V-shape, square	2000	50-1900	5	60180-P105B
	44	V-shape, square	2000	50-1900	50	60180-P135B
Performance Level 2 - LC-MS/GC-MS tested plates made from ultra low bleed high purity basis resin						
96-well microplate, round well, barcoded	14,7	U-shape, 7 mm diameter	320	10-300	100	60180-P206B
	14,7	U-shape, 7 mm diameter	320	10-300	10	60180-P216B
	14,7	V-shape, 7 mm diameter	290	10-250	100	60180-P207B
	14,7	V-shape, 7 mm diameter	290	10-250	10	60180-P217B
96-well mid height plate, round well, barcoded	42	U-shape, 7 mm diameter	1200	50-900	50	60180-P201B
	42	U-shape, 7 mm diameter	1200	50-900	5	60180-P211B
Performance Level 3 - Plate+ wellplates - PP plates with a low-bind coating reducing non-specific binding						
96-well microplate, round well	14,4	U-shape, 7 mm diameter	320	250	10	60180-P330B
	14,4	V-shape, 7 mm diameter	350	300	10	60180-P332B
	14,4	Flat bottom, 7 mm diameter	400	350	10	60180-P334B
96-well mid height plate, round well	26,5	U-shape, 8 mm diameter	1100	50 to 900	10	60180-P350B
	33	U-shape, 7 mm diameter	1000	50 to 900	10	60180-P343B
	40,6	U-shape, 7 mm diameter	1.2 mL	1.0 mL	10	60180-P336B
96 deep well plate, square well	43,7	V-shape, 8 mm diameter	2.4 mL	2.0 mL	10	60180-P338B

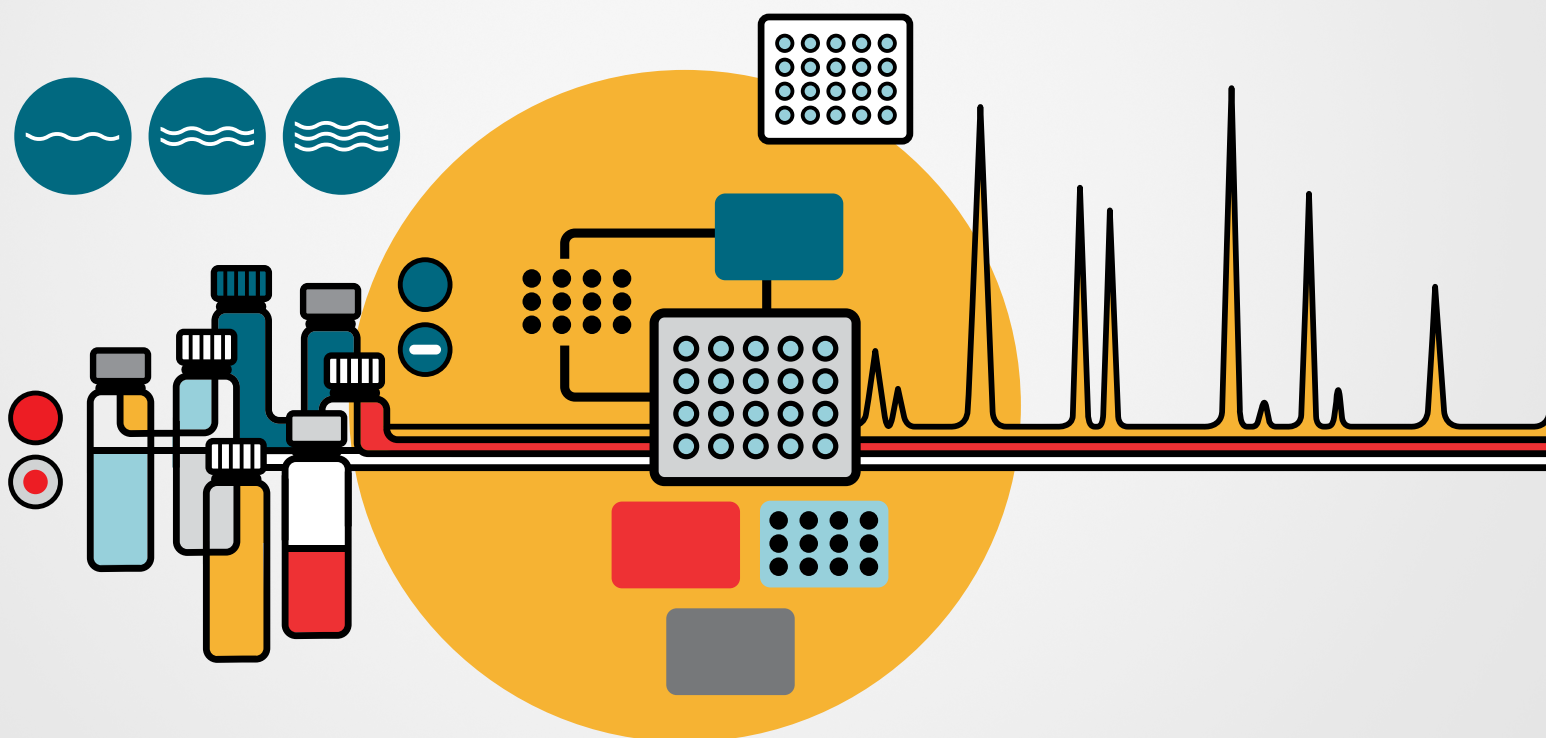
For mats see previous pages with mats for 7 or 8 mm cavity diameter



60180-P206B/216B



P206B/216B



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