VEREX™
Certified Vial Products

Certified Vials, Caps, Septa, & Inserts

That You Can Always Count On!

Guaranteed Performance and Quality

100% Defect-Free

Convenient and Innovative Packaging

phenomenex®
. . . breaking with tradition℠

What Makes Our Vials So Different?

From start to finish, Verex™ vial and cap products are manufactured to provide high quality, state-of-the-art solutions for your most challenging, sensitive applications.

Our innovative, precision products offer compatibility with virtually any autosampler and provide air-tight, leak-free seals to safely store and transfer your most important samples.

Certified

The highest quality materials combine with tightly controlled manufacturing processes to produce uniform, trouble-free products you can rely on.

100 % Defect-Free

No product is placed into inventory without passing cleanliness and performance testing for consistent results.

Made with High Quality Glass

Verex offers the lowest ion content possible to reduce sample loss and contamination. 33-Expansion clear glass (USP Type 1 borosilicate, Class A) and 51A-Expansion amber glass (USP Type 1 borosilicate, Class B).

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VEREX™
Certified Vial Products

We Guarantee Performance

We want you to be as confident in our products as we are. Verex certified sample vials, inserts, caps, and seals are guaranteed to ensure problem-free, reproducible performance you can trust – all at competitive prices.

BE-HAPPY™ guarantee

Your happiness is our mission. Take 45 days to try our products. If you are not happy, we'll make it right.

www.phenomenex.com/behappy

Make the Switch to Verex!

Finding the Verex replacement to your current vials and caps is EASY. Use our online web tool to find the guaranteed Verex product match.

2 Easy Steps:

1. Enter your current vial or cap part number
2. Order the recommended Verex part number

www.phenomenex.com/VialFinder

Certified Vial Products Redefined

All Verex products are fully lot-tested and certified, ensuring optimum performance for your application. Each product comes with a Certificate of Conformance. Learn more about product specifications and testing at **www.phenomenex.com/Verex**

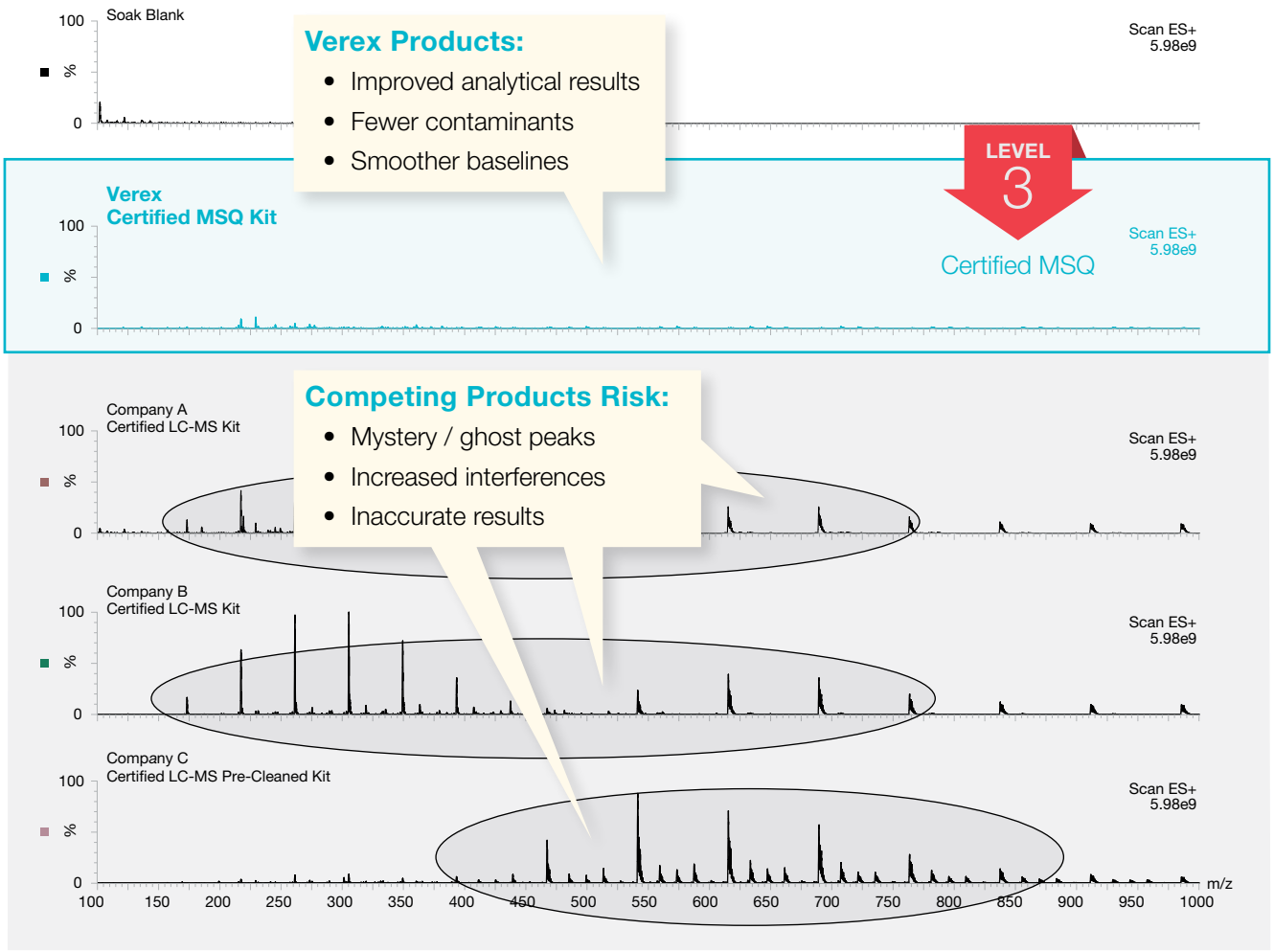
Three Levels of Certification

	LEVEL 1 Certified	LEVEL 2 Certified + PLUS (Cert+)	LEVEL 3 Certified MSQ (Cert + MSQ) (Mass Spec Quality)
Ultra Clean Specially designed and treated for mass spectrometry (MS) applications.			✓
Low Bleed Special cap / closure processing, treating, and testing for low bleed of residual organics. For high sensitivity GC-MS and LC-MS applications.		✓	✓
Dimensionally Verified Machine vision cameras and gauges inspect critical dimensions and tolerances to produce uniform, defect-free products.	✓	✓	✓
Lot Traceable Vial and cap packs are 100 % traceable through the manufacturing process. Certificate of Conformance available by lot number upon request.	✓	✓	✓
Clean Room Packaged Ensures particulate- and contaminate-free products for clean chromatography.	✓	✓	✓
Part Number Extension	No Extension Needed	Certificate of Conformance Included; Extension-C	Certificate of Conformance Included; Extension-M
Part Number Example	AR0-8952-13	AR0-8952-13-C	AR0-8952-13-M

Need vials for official EPA methods? Try Verex EPA Certified vials – look for part numbers ending with "-E".
Example: AR0-9531-12-E

Vials: The Most Critical Part Of Your Analysis!

Though they may look alike, not all vials offer equivalent performance. Variations in product quality can adversely affect your chromatography, leading to mystery peaks, loss of analytes, and irreproducible results. Begin every analysis with high quality Verex™ products to minimize troubleshooting delays and costly, unnecessary rework.



Comparative separations may not be representative of all applications.

Don't take chances with competing vial products. Verex Certified MSQ vials and caps deliver unmatched performance (as seen above in the comparison).

Other companies' LC-MS certified products can contaminate samples and introduce unidentifiable mystery peaks.

Convenient and Innovative Packaging

Easily bring together all the components needed for proper vial assembly. These complete kits are an easy, affordable way to order matching vials, caps, and septa, guaranteed for a secure, compatible fit.

Convenience Kit Carrier Box

Every kit is designed with a complimentary integrated vial and cap product dispenser.

Easy Grip Handle

Lays flat when not in use

Made from Recycled Fibers

A minimum of 60% post-consumer materials

Cap Dispenser

Perforated Front Panels and Slots

Allow easy access to vial/cap products inside, dust-free and ready for use

Vial Dispenser

Note: Verex products with this symbol come in a convenience kit carrier box

Two-Compartment Boxes

Single Compartment Box

Our 100/pks for screw, crimp, and snap vials come in these smaller single-compartment boxes, ready for use.

Our two-compartment boxes can neatly hold your vials inside our Convenience Kit Carrier Boxes:

1. 1,000 Vial Kits will have 5 sets of two-compartment boxes
2. 1,000 Vial + Cap Kits will have 5 sets of two-compartment boxes plus one box of caps

Our 100/pk Vial Kits also come in these two-compartment boxes, with caps on one side and vials in the other (as pictured).

VEREX™
Certified Vial Products

Autosampler Vials, Caps, Septa, and Inserts

Crimp-Top 10

Snap-Top 11

Screw-Top

- 9 mm Screw-Top 15
- 8 mm Screw-Top 21
- 10 mm Screw-Top 23
- 13 mm Screw-Top 25

Shell Vials 26

Headspace Vials 27

VOA / ASE and Storage Vials 29

Crimp-Top Vial Products

Crimp-Top Verex™ vials use cost-effective aluminum crimp seals. When properly assembled, this vial-cap combination provides the best seal for long term sample storage, as well as high volatility solvents.

12 x 32 mm, 11 mm Crimp-Top Vials and Closures

Crimp-Top Vials, 2.0 mL

- Cleaner vials eliminate ghost peaks and contaminants
- Used with most autosamplers, including Agilent®, Thermo Scientific®, and Waters®
- Larger-opening "wide-mouth" style prevents broken needles and system downtime
- Precision neck improves crimping

Standard Opening

	Vial, Crimp, 2 mL Clear, No Patch	Vial, Crimp, 2 mL Clear, w/ Patch	Vial, Crimp, 2 mL Amber, w/ Patch
1000/pk	**AR0-3700-13**	**AR0-3710-13**	**AR0-3711-13**

Wide Mouth Opening

	Vial, Crimp, 2 mL Wide Mouth, Clear, No Patch	Vial, Crimp, 2 mL, Wide Mouth, Amber, No Patch	Vial, Crimp, 2 mL Wide Mouth, Clear, w/ Patch	Vial, Crimp, 2 mL, Wide Mouth, Amber, w/ Patch
1000/pk	**AR0-37K0-13**	**AR0-37K1-13**	**AR0-37L0-13**	**AR0-37L1-13**

Limited Volume Specialty Crimp-Top Vials

- Microsampling (center-draining and fused-insert vials)

	Vial, Crimp, v-Vial Clear, No Patch[e]	Vial, Crimp, v-Vial Amber, No Patch[e]	Vial, Crimp, µVial i3 (Qsert), Clear, w/ Patch	Vial, Crimp, µVial i3 (Qsert), Amber, w/ Patch
100/pk	**AR0-3740-12**	**AR0-3741-12**	**AR0-3725-12**	**AR0-3726-12**
1000/pk	**AR0-3740-13**	**AR0-3741-13**	**AR0-3725-13**	**AR0-3726-13**

[e]51-Expansion glass. See page 32 for specialty vials product details.

Seals / Closures for Crimp-Top Vials

- Excellent for volatile samples
- Extra clean to eliminate contamination
- Colored aluminum

	Seal, 11 mm Diameter, Crimp, PTFE, silver	Seal, 11 mm Diameter, Crimp, PTFE/Silicone, silver	Seal, 11 mm Diameter, Crimp, PTFE/Silicone/PTFE, silver	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, silver	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, silver, Natural Rubber
1000/pk	**AR0-5710-13**	**AR0-5780-13**	**AR0-5760-13**	**AR0-5740-13**	**AR0-5740-13-NR**

	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, red	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, blue	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, green	Seal, 11 mm Diameter, Crimp, PTFE/Rubber, gold
1000/pk	**AR0-5741-13**	**AR0-5742-13**	**AR0-5743-13**	**AR0-574G-13**

Simply choose the vial closure convenience kit for your application and you'll also receive a free dispenser box!

See p. 8 for details.

Snap-Top Vial Products

Snap-top Verex™ vials are the easiest way to produce a secure seal. Snap vials accept either crimp or snap seals. Because the snap-top seal is not as secure as a crimp or screw thread seal, snap vials are only recommended for short term shortage and non-volatile samples.

12 x 32 mm, 11 mm Snap-Top Vials and Kits

Snap-Top Vials and Seals / Closures

- Precision formed for autosampler fit
- Rigorous quality testing for consistent performance
- Precise vial depth provides consistent sample recoveries

	Vial Kit, Snap Cap, 2 mL Clear, w/ Patch + PTFE/ Silicone	Vial Kit, Snap Cap, 2 mL Clear + PTFE/Silicone, preSlit	Cert+ Vial Kit, Snap Cap, PP**, 300 µL + PTFE/ Silicone***	Cert+ Vial Kit, Snap Cap, PP**, 300 µL + PTFE/ Silicone, preSlit***
1000/pk	AR0-9721-13	AR0-9727-13	AR0-9691-13-C	AR0-9692-13-C

No write-on patch unless otherwise indicated. **Vial made of Polypropylene. ***Certified PLUS (Cert+) Level 2 Certification.

Limited Volume Specialty Snap-Top Vials and Seals / Closures

- Microsampling (fused-insert vials)
- Cleaner vials eliminate ghost peaks and contaminants

	Vial Kit, Snap, µVial i3 (Qsert), Clear w/ Patch + PTFE/Silicone	Vial Kit, Snap, µVial i3 (Qsert), Clear w/ Patch + PTFE/Silicone, preSlit
100/pk	AR0-9671-12	AR0-9672-12
1000/pk	AR0-9671-13	AR0-9672-13

See page 32 for specialty vials product details.

Snap-Top Vials*, 2.0 mL

- Great for less volatile samples or high-throughput labs
- Save time, without crimping or twisting

	Vial, Snap, 2 mL Clear, No Patch	Vial, Snap, 2 mL Clear, w/ Patch	Vial, Snap, 2 mL Amber, w/ Patch	Vial, Snap, 2 mL Clear, w/ Patch, Silanized	Vial, Snap, 2 mL Amber, w/ Patch, Silanized
1000/pk	**AR0-3600-13**	**AR0-3610-13**	**AR0-3611-13**	**AR0-3613-13**	**AR0-3614-13**

*Vials can accept either snap or crimp-tops to effectively seal the vial.

Limited Volume Specialty Snap-Top Vials

- For small volume microsamples (center-draining and fused-insert vials)
- One piece vial with fused insert

	Vial, Snap, v-Vial i2V Clear, No Patch⊗	Vial, Snap, v-Vial i2V Amber, No Patch⊗	Vial, Snap, µVial i2V Clear, No Patch	Vial, Snap, µVial i2V Amber, No Patch	Vial, Snap, µVial i3 (Qsert), Clear, w/ Patch	Vial, Snap, Maximum Recovery (CD), Clear, No Patch	Cert+ Vial, Snap, PP**, 300 µL, Clear, No Patch***
100/pk	**AR0-3640-12**	**AR0-3641-12**	**AR0-3630-12**	**AR0-3631-12**	**AR0-3625-12**	**AR0-3680-12**	**AR0-36S0-12-C**
1000/pk	**AR0-3640-13**	**—**	**AR0-3630-13**	**AR0-3631-13**	**AR0-3625-13**	**AR0-3680-13**	**AR0-36S0-13-C**

⊗51-Expansion glass. **Vial made of Polypropylene. ***Certified PLUS (Cert+) Level 2 Certification.

Need help finding out if your autosampler is compatible with Verex?

See p. 34 for our autosampler compatibility chart.

Seals / Closures for Snap-Top Vials

- Specially designed for secure fit
- Easily snap cap onto vial and pull cap off

No-Slit

	Seal, 11 mm Diameter, Snap, PTFE/Silicone, Cert+, blue	Seal, 11 mm Diameter, Snap, PTFE/Rubber, natural	Seal, 11 mm Diameter, Snap, PTFE, blue	Seal, 11 mm Diameter, Snap, PTFE/Silicone/ PTFE, blue	
1000/pk	**AR0-5652-13-C**	**AR0-5646-13**	**AR0-5612-13**	**AR0-5661-13**	
	Seal, 11 mm Diameter, Snap, PTFE/Silicone, blue	Seal, 11 mm Diameter, Snap, PTFE/Silicone, natural	Seal, 11 mm Diameter, Snap, PTFE/Silicone, red	Seal, 11 mm Diameter, Snap, PTFE/Silicone, green	Seal, 11 mm Diameter, Snap, PTFE/Silicone, yellow
1000/pk	**AR0-5652-13**	**AR0-5656-13**	**AR0-5651-13**	**AR0-5653-13**	**AR0-5654-13**

PreSlit

	Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, blue	Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, natural	Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, red	Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, green	Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, yellow
1000/pk	**AR0-5672-13**	**AR0-5676-13**	**AR0-5671-13**	**AR0-5673-13**	**AR0-5674-13**

Need help finding out if your autosampler is compatible with Verex?

See p. 34 for our autosampler compatibility chart.

Screw-Top Vial Products

Screw thread Verex vials and caps provide low evaporation and reusability. Because they require no special tools, there are fewer problems with hand injury compared to the manipulation required with crimp seals.

LEVEL 3

12 x 32 mm, 9 mm (9-425) Screw-Top Vials and Kits

Certified PLUS (Cert+) Mass Spec Quality (MSQ) 9 mm Screw-Top Vials and Caps with Locked-Fit Septa

- For your most demanding analysis; high sensitive detectors
- HPLC and LC-MS tested and certified
- State-of-the-art design and manufacture

	Cert+ MSQ Vial Kit, 9 mm, 2 mL Clear w/ Patch + MSQ PTFE/Silicone	Cert+ MSQ Vial Kit, 9 mm, 2 mL Amber w/ Patch + MSQ PTFE/Silicone
1000/pk	AR0-992A-13-M	AR0-992B-13-M

LEVEL 2

Certified PLUS (Cert+) 9 mm Screw-Top Vials and Caps with Bonded-In Septa

- Certified for cleanliness and enhanced quality
- Polyethylene-Starburst cap is an excellent choice for inertness

	Cert+ Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/ Silicone cap	Cert+ Vial Kit, 9 mm, 2 mL Clear w/ Patch + PE-Starburst cap	Cert+ Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/ Silicone, preSlit cap
1000/pk	AR0-9921-13-C	AR0-9927-13-C	AR0-9926-13-C

LEVEL 2

Certified PLUS (Cert+) Limited Volume Specialty 9 mm Screw-Top Vials and Caps

- Kits for microsampling (center-draining and fused-insert vials)
- Lower trace contaminants for higher sensitivity work
- Inert polypropylene (PP) vials for biochromatography, or pH-sensitive applications

	Cert+ Vial Kit, 9 mm, Maximum Recovery (CD) Clear + PTFE/Silicone cap®	Cert+ Vial Kit, 9 mm, Maximum Recovery (CD) Clear + PTFE/Silicone, preSlit cap®	Cert+ Vial Kit, 9 mm, High Recovery (CD) Clear + PE-Starburst cap⊡	Cert+ Vial Kit, 9 mm, High Recovery (CD) Amber + PE-Starburst cap⊡
100/pk	AR0-9987-12-C	AR0-9988-12-C	AR0-9985-12-C	AR0-9986-12-C
1000/pk	AR0-9987-13-C	AR0-9988-13-C	AR0-9985-13-C	AR0-9986-13-C

	Cert+ Vial Kit, 9 mm, µVial i3 (Qsert) Clear w/ Patch + PTFE/Silicone, preSlit cap	Cert+ Vial Kit, 9 mm, PP, 300 µL + PE-Starburst cap*⊡	Cert+ Vial Kit, 9 mm, PP, 700 µL + PTFE/Silicone cap*®	Cert+ Vial Kit, 9 mm, PP, 700 µL + PTFE/Silicone, preSlit cap*®
100/pk	AR0-9974-12-C	AR0-9995-12-C	AR0-9993-12-C	AR0-9994-12-C
1000/pk	AR0-9974-13-C	AR0-9995-13-C	AR0-9993-13-C	AR0-9994-13-C

No write-on patch unless otherwise indicated. See page 32 for specialty vials product details.

*Vial made of Polypropylene. ®-B = Bonded-In Septa. ⊡Cap is one piece, constructed of ultra-pure, medical-grade polyethylene.

Need help finding out if your autosampler is compatible with Verex?

See p. 34 for our autosampler compatibility chart.

9 mm Screw-Top Vials and Caps with Bonded-In Septa

- Sample volume range from 0.2 to 1.5 mL

	Vial Kit, 9 mm, 2 mL Clear + PTFE/Silicone	Vial Kit, 9 mm, 2 mL Clear + PTFE/Silicone, preSlit	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Silicone	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Silicone, Silanized	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Silicone, preSlit
1000/pk	AR0-9901-13	AR0-9903-13	AR0-9921-13	AR0-9921-13-D	AR0-9925-13

	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Silicone, preSlit, Silanized	Vial Kit, 9 mm, 2 mL Clear + PTFE/Silicone/PTFE	Vial Kit, 9 mm, 2 mL Clear + PTFE/Rubber	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Rubber, preSlit	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone
1000/pk	AR0-9925-13-D	AR0-9905-13	AR0-9907-13	AR0-9914-13	AR0-9922-13

	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone, Silanized	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone, preSlit	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone, preSlit, Silanized	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone/ PTFE	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Rubber
1000/pk	AR0-9922-13-D	AR0-9926-13	AR0-9926-13-D	AR0-9923-13	AR0-9912-13

*-D = Silanized

Limited Volume Specialty 9 mm Screw-Top Vials and Caps with Bonded-In Septa

- Kits for microsampling (center-draining and fused-insert vials)
- CD and Qsert vials offer superior performance over vials and loose inserts
- Polypropylene (PP) vial kits for bio- or ion-chromatography, or pH-sensitive samples

	Vial Kit, 9 mm, High Recovery (CD) Clear + PTFE/Silicone	Vial Kit, 9 mm, High Recover (CD) Clear + PTFE/Silicone, preSlit	Vial Kit, 9 mm, µVial i3 (Qsert) Clear w/ Patch + PTFE/Silicone	Vial Kit, 9 mm, µVial i3 (Qsert) Clear w/ Patch + PTFE/Silicone, preSlit	Vial Kit, 9 mm, PP, 300 µL + PTFE/ Silicone**	Vial Kit, 9 mm, PP, 300 µL + PTFE/ Silicone, preSlit**
100/pk	AR0-9981-12	AR0-9982-12	AR0-9973-12	AR0-9974-12	AR0-9991-12	AR0-9992-12
1000/pk	AR0-9981-13	AR0-9982-13	AR0-9973-13	AR0-9974-13	AR0-9991-13	AR0-9992-13

No write on patch unless otherwise indicated. **Vial made of Polypropylene.

Assembled 9 mm Screw-Top Vials and Caps with Bonded-In Septa

- Cap and septa attached to vials
- Ready to use
- Save time and labor

	Vial Kit, 9 mm, 2 mL Clear w/ Patch + PTFE/Silicone, preSlit	Vial Kit, 9 mm, 2 mL Amber w/ Patch + PTFE/Silicone, preSlit
1000/pk	AR0-9925-13-A	AR0-9926-13-A

*-A = Assembled

9 mm Screw-Top Vials, 2.0 mL

- Used with most autosamplers, including Agilent®, Thermo Scientific®, Waters®, and many others
- Performs as well as crimp or snap vials
- Offers improved cap convenience and accessibility (easy on, easy off)

	Vial, 9 mm Screw, 2 mL Clear, No Patch	Vial, 9 mm Screw, 2 mL Amber, No Patch	Vial, 9 mm Screw, 2 mL Clear, w/ Patch	Vial, 9 mm Screw, 2 mL Amber, w/ Patch	Vial, 9 mm Screw, 2 mL Clear, w/ Patch, Silanized
1000/pk	AR0-3900-13	AR0-3901-13	AR0-3910-13	AR0-3911-13	AR0-3960-13

Limited Volume Specialty 9 mm Screw-Top Vials

- Microsampling Qsert and v-Vial center-draining vials
- Qsert fused insert vials ensure proper seating of the cap
- Extremely low residual volume

	Vial, 9 mm Screw, µVial i3 (Qsert) Clear, No Patch	Vial, 9 mm Screw, µVial i3 (Qsert) Amber, No Patch	Vial, 9 mm Screw, v-Vial Clear, No Patch[e]	Vial, 9 mm Screw, v-Vial Amber, No Patch[e]	Cert+ Vial, 9 mm, Screw, PP, 300 µL Clear, No Patch**
100/pk	AR0-3920-12	AR0-3921-12	AR0-3940-12	AR0-3941-12	AR0-39S0-12-C
1000/pk	AR0-3920-13	AR0-3921-13	AR0-3940-13	AR0-3941-13	AR0-39S0-13-C

[e]51-Expansion glass. **Vial made of Polypropylene. See page 32 for specialty vials product details.

LEVEL 3

Certified PLUS (Cert+) Mass Spec Quality MSQ Caps for 9 mm Screw-Top Vials

- HPLC and LC-MS tested and certified
- For your most demanding analysis; high sensitive detectors
- Locked-fit provides a positive physical septa lock into the cap

	Cert+ MSQ Cap (pre-assembled), 9 mm, w/ Locked-fit PTFE/ Silicone septa, blue	Cert+ MSQ Cap (pre-assembled), 9 mm, w/ Locked-fit PTFE/ Silicone preSlit septa, blue
1000/pk	**AR0-8952-13-M**	**AR0-8972-13-M**

LEVEL 2

Certified PLUS (Cert+) Caps for 9 mm Screw-Top Vials

- Certified ultra-clean
- High-grade, preconditioned raw materials
- Finished product inspected and LC-MS tested

	Cert+ Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone septa, blue	Cert+ Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone preSlit septa, blue	Cert+ Cap (one-piece), 9 mm PE w/ Starburst preSlit, natural*
1000/pk	**AR0-8952-13-C**	**AR0-8972-13-C**	**AR0-89P6-13-C**

*Cap is one piece, constructed of ultra-pure, medical-grade polyethylene.

LEVEL 1

Bonded-In Caps for 9 mm Screw-Top Vials

For a more economical alternative, Press-Fit Caps are available.

- Bonded septa caps eliminate costly liner/septa fallout
- Prevents rework and wasted productivity with perfect-fit septa
- Saves instrument downtime

					NEW
	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone septa, black	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone septa, blue	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone septa, natural	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone septa, red	Poly/Steel Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone, septa, blue
1000/pk	**AR0-8957-13-B**	**AR0-8952-13-B**	**AR0-8956-13-B**	**AR0-8951-13-B**	**AR0-895P-12-B**

					NEW
	Cap (pre-assembled), 9mm, w/ Bonded-in PTFE/Silicone preSlit septa, black	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone preSlit septa, blue	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone septa, grey	Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/ Silicone preSlit septa, green	Poly/Steel Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone preSlit septa, blue
1000/pk	**AR0-8977-13-B**	**AR0-8972-13-B**	**AR0-8976-13-B**	**AR0-8953-13-B**	**AR0-897P-12-B**

*-B = Bonded-In Septa

Inserts for 9 mm Screw-Top Vials

- For limited volume sampling in 2 mL sample vials
- Virtually no adsorption or pH effects
- Precisely centers and fits vial neck
- Offers maximum opening to sampling needle

	Insert, 6 mm Diameter, Flat Bottom, 450 µL	Insert, 6 mm Diameter, Flat Bottom, 450 µL, Silanized	Insert, 6 mm Diameter, Conical Bottom, 350 µL	Insert, 6 mm Diameter, Conical Bottom, w/ bottom spring, 300 µL	Insert, 6 mm Diameter, Conical Bottom, w/ bottom spring, 300 µL, Silanized
500/pk	**AR0-4610-52**	**AR0-4615-52**	**—**	**—**	**—**
1000/pk	**—**	**—**	**AR0-4620-13**	**AR0-4621-13**	**AR0-4623-13**

Approximate useable volume indicated in µL.

Make the Switch to Verex!

2 Easy Steps:

1. Enter your current vial or cap part number
2. Order the recommended Verex part number

www.phenomenex.com/VialFinder

12 x 32 mm, 8 mm (8-425) Screw-Top Vials

8 mm Screw-Top Vials, 2.0 mL

- Standard-neck vials for Agilent® and Shimadzu® autosamplers
- 33-Expansion clear glass (USP Type 1 borosilicate, Class A), 51A amber glass

	Vial, 8 mm Screw, 2 mL Clear, No Patch	Vial, 8 mm Screw, 2 mL Amber, No Patch	Vial, 8 mm Screw, 2 mL Clear, w/ Patch	Vial, 8 mm Screw, 2 mL Amber, w/ Patch
1000/pk	**AR0-3800-13**	**AR0-3801-13**	**AR0-3810-13**	**AR0-3811-13**

Download a FREE Verex Vials and Cap Poster Guide!

Visit

www.phenomenex.com/VerexVialPoster

Caps / Closures for 8 mm Screw-Top Vials

- Prevent rework and wasted productivity with perfect fit bonded-in septa
- Fewer trace contaminants for higher sensitivity work

	Cap (pre-assembled), 8-425, w/ Bonded-in PTFE/ Silicone septa, black*	Cap (pre-assembled), 8-425, w/ Bonded-in PTFE/ Silicone preSlit septa, black*	Cap (pre-assembled), 8-425, w/ PTFE/Silicone septa, black**	Cap (pre-assembled), 8-425, w/ PTFE/Silicone preSlit septa, black**
1000/pk	**AR0-8857-13-B**	**AR0-8877-13-B**	**AR0-8857-13**	**AR0-8877-13**

	Cap (pre-assembled), 8-425, w/ PTFE/Silicone septa, w/ flange, yellow	Cap (pre-assembled), 8-425, w/ PTFE/Silicone/ PTFE septa, black**	Cap (pre-assembled), 8-425, w/ Open-top cap (w/o) septa, black
1000/pk	**AR0-8834-13**	**AR0-8867-13**	**AR0-8897-13**

*-B = Bonded-In Septa **Press-Fit Septa

Septa for 8 mm Screw Caps

- Preconditioned and tested
- For caps / closures without septa (AR0-8897-13)

	Septa, 8 mm Diameter, PTFE/Silicone 0.060 in	Septa, 8 mm Diameter, PTFE/Silicone/PTFE 0.060 in	Septa, 8 mm Diameter, PTFE 0.010 in
1000/pk	**AR0-6853-13**	**AR0-6863-13**	**AR0-6817-13**

Inserts for 8 mm Screw-Top Vials

- For limited volume sampling
- Precisely centers and fits vial neck
- Transforms full capacity vials to micro sample vials

	Insert, 5 mm Diameter, Flat Bottom, 200 µL	Insert, 5 mm Diameter, Conical Bottom, 100 µL	Insert, 5 mm Diameter, Conical Bottom, w/ bottom spring, 175 µL
500/pk	**AR0-4510-52**	**—**	**—**
1000/pk	**AR0-4510-13**	**AR0-4520-13**	**AR0-4521-13**

Approximate useable volume indicated in µL.

12 x 32 mm, 10 mm (10-425) Screw-Top Vials and Kits

10 mm Screw-Top Vials and Caps with Bonded-In Septa

- Available in assembled ready to use kits
- Offered with silanization

	Vial Kit, 10 mm, 2 mL Clear, No Patch + PTFE/Silicone, preSlit	Vial Kit, 10 mm, 2 mL Clear, No Patch + PTFE/Silicone, Silanized	Vial Kit, 10 mm, 2 mL Clear, No Patch + PTFE/Silicone + preSlit, Silanized	Vial Kit, 10 mm, 2 mL Clear, w/ Patch + PTFE/Silicone*	Vial Kit, 10 mm, 2 mL Amber, w/ Patch + PTFE/ Silicone*
100/pk	AR0-9003-12	AR0-9005-12	AR0-9006-12	AR0-9021-12-A	AR0-9022-12-A
1000/pk	AR0-9003-13	—	—	AR0-9021-13-A	AR0-9022-13-A

*-A = Assembled

10 mm Screw-Top Vials, 2.0 mL

- Easy-to-fill wide-mouth vials

	Vial, 10 mm Screw, 2 mL Clear, No Patch	Vial, 10 mm Screw, 2 mL Amber, No Patch	Vial, 10 mm Screw, 2 mL Clear, No Patch, Silanized	Vial, 10 mm Screw, 2 mL Clear, w/ Patch	Vial, 10 mm Screw, 2 mL Amber, w/ Patch
1000/pk	AR0-3000-13	AR0-3001-13	AR0-3003-13	AR0-3010-13	AR0-3011-13

Limited Volume Specialty 10 mm Screw-Top Vials

- Microsampling Qsert and center-draining vials
- Extremely low residual volume

	Vial, 10 mm Screw, µVial i3 (Qsert) Clear, No Patch	Vial, 10 mm Screw, µVial i3 (Qsert) Amber, No Patch	Vial, 10 mm Screw, v-Vial, Clear, No Patch
100/pk	AR0-3020-12	AR0-3021-12	AR0-3040-12
1000/pk	AR0-3020-13	AR0-3021-13	AR0-3040-13

Caps / Closures for 10 mm Screw-Top Vials

- High quality preconditioned septa
- Bonded-in or press-fit
- Prevent rework and wasted productivity with perfect fit bonded-in septa

	Cap (pre-assembled), 10-425, w/ Bonded-in PTFE/Silicone septa, black*	Cap (pre-assembled), 10-425, w/ Bonded-in PTFE/Silicone preSlit septa, black*	Cap (pre-assembled), 10-425, w/ PTFE/Silicone septa, black**	Cap (pre-assembled), 10-425, w/ PTFE/Silicone preSlit septa, black**
1000/pk	**AR0-8057-13-B**	**AR0-8077-13-B**	**AR0-8057-13**	**AR0-8077-13**

*-B = Bonded-In Septa **Press-Fit Septa

Inserts for 10 mm Screw-Top Vials

- For limited volume sampling
- Precisely centers and fits vial neck

	Insert, 6 mm Diameter, Flat Bottom, 450 µL	Insert, 6 mm Diameter, Flat Bottom, 450 µL, Silanized	Insert, 6 mm Diameter, Conical Bottom, 350 µL	Insert, 6 mm Diameter, Conical Bottom, w/ bottom spring, 300 µL	Insert, 6 mm Diameter, Conical Bottom, w/ bottom spring, 300 µL, Silanized
500/pk	**AR0-4610-52**	**AR0-4615-52**	**—**	**—**	**—**
1000/pk	**—**	**—**	**AR0-4620-13**	**AR0-4621-13**	**AR0-4623-13**

Approximate useable volume indicated in µL.

Need help matching your current vials and caps to Verex?

Go to www.phenomenex.com/Verex for our online matching tool.

15 x 45 mm, 13 mm (13-425) Screw-Top Vials and Kits

13 mm Screw-Top Vials and Caps

- Original Waters® 4 mL WISP™ autosampler vial
- General purpose sample / standard storage vial

13 mm Screw-Top Vials, 4.0 mL

	Vial Kit, 4 mL Clear w/ Patch + screw caps 13-425, PTFE/ Silicone*Δ	Vial Kit, 4 mL Amber w/ Patch + screw caps 13-425, PTFE/Silicone*	Vial Kit, 4 mL Amber w/ Patch + screw caps 13-425, PTFE 0.01 in*	Vial, 4 mL Screw Clear, No Patch	Vial, 4 mL Screw Amber, No Patch	Vial, 4 mL Screw Clear, w/ Patch
1000/pk	AR0-9321-13-A	AR0-9422-13-A	AR0-9392-13-A	AR0-3300-13	AR0-3301-13	AR0-3310-13

*-A = Assembled Δ= Bonded-In Septa

Limited Volume Specialty 13 mm Screw-Top Vials

- Center-draining bottom for low-volume samples

	Vial, 4 mL Screw High Recovery (CD) Clear, No Patch
100/pk	AR0-3370-12
1000/pk	AR0-3370-13

Caps / Closures for 13 mm Screw-Top Vials

- High quality, pre-conditioned septa
- Available with bonded-in septa

	Cap (pre-assembled), 13-425, w/ Bonded-in PTFE/Silicone septa, black*	Cap (pre-assembled), 13-425, w/ PTFE/Silicone septa, black**
1000/pk	AR0-8357-13-B	AR0-8357-13

*-B = Bonded-In Septa **Press-Fit Septa

Shell Vials

Flat Bottom Shell Vials

- Original 1 mL and 4 mL shell vials for Waters® 96- and 48-position autosampler trays
- Kits include high-quality borosilicate glass vials with convenient push-in polyethylene cap

Shell Vial Kits, 1.0 and 4.0 mL

	Shell Vial Kit, 8 x 40 mm, 1 mL Flat Bottom, Clear® + PE Cap	Shell Vial Kit, 15 x 45 mm, 4 mL Flat Bottom, Clear® + PE Cap
1000/pk	AR0-3110-13	AR0-3170-13

®51-Expansion glass

Certified PLUS (Cert+) Shell Vial Kits, 1.0 mL

	Cert+ Shell Vial Kit, 8 x 40 mm, 1 mL Flat Bottom, Clear + PE Cap	Cert+ Shell Vial Kit, 8 x 40 mm, 1 mL Flat Bottom, Amber + PE Cap
200/pk	AR0-3110-22-C	AR0-3111-22-C

Need help finding out if your autosampler is compatible with Verex?

See p. 34 for our autosampler compatibility chart.

Headspace Vials

Screw- and Crimp-Top Headspace Vials

- 10 and 20 mL screw- or crimp-top, with round or flat bottom
- Uniform glass thickness ensures even heating
- Lot traceable

Crimp-Top

	Headspace Vial, 22 x 38 mm, 6 mL Beveled Edge, Flat Bottom, Clear, No Patch	Headspace Vial, 22 x 38 mm, 6 mL Square Rim, Flat Bottom, Clear, No Patch	Headspace Vial, 22 x 38 mm, 6 mL Beveled Edge, Round Bottom, Clear, No Patch
1000/pk	AR0-32F0-13	AR0-32D0-13	AR0-32G0-13

	Headspace Vial, 23 x 46 mm, 10 mL Beveled Edge, Flat Bottom, Clear, No Patch	Headspace Vial, 23 x 46 mm, 10 mL Square Rim, Flat Bottom, Clear, No Patch	Headspace Vial, 23 x 46 mm, 10 mL Beveled Edge, Round Bottom, Clear, No Patch
1000/pk	AR0-3220-13	AR0-32A0-13	AR0-3230-13

	Headspace Vial, 23 x 75 mm, 20 mL Beveled Edge, Flat Bottom, Clear, No Patch	Headspace Vial, 23 x 75 mm, 20 mL Beveled Edge, Flat Bottom, Clear, No Patch, Silanized	Headspace Vial, 23 x 75 mm, 20 mL Square Rim, Flat Bottom, Clear, No Patch	Headspace Vial, 23 x 75 mm, 20 mL Beveled Edge, Round Bottom, Clear, No Patch	Headspace Vial, 23 x 75 mm, 20 mL, Square Rim, Round Bottom, Clear, No Patch
1000/pk	AR0-3260-13	AR0-3263-13	AR0-3290-13	AR0-3270-13	AR0-32C0-13

Screw-Top

	Headspace Vial, 23 x 46 mm, 10 mL 18 mm Screw, Round Bottom, Clear, No Patch	Headspace Vial, 23 x 46 mm, 10 mL 18 mm Screw, Round Bottom, Amber, No Patch	Headspace Vial, 23 x 75 mm, 20 mL 18 mm Screw, Round Bottom, Clear, No Patch	Headspace Vial, 23 x 75 mm, 20 mL 18 mm Screw, Round Bottom, Amber, No Patch
1000/pk	AR0-32H0-13	AR0-32H1-13	AR0-3280-13	AR0-3281-13

Autosampler Compatibility

Flat Bottom: *HP / Agilent, Carlo Erba, Shimadzu*

Round Bottom: *PerkinElmer, Tekmar, LEAP Technologies, Varian*

Headspace Screw- and Crimp-Top Seals / Closures

- Variety of styles of any application
- Magnetic and pressure-release caps available

Crimp-Top

	Seal, 20 mm Diameter, PTFE/Gray Butyl Rubber, magnetic cap	Seal, 20 mm Diameter, PTFE/Gray Butyl Rubber, magnetic cap	Seal, 20 mm Diameter, PTFE/Butyl Rubber Pharmafix Molded Septum, silver	Seal, 20 mm Diameter, PTFE/Butyl Rubber Pressure Release, Pharmafix Molded Septum, silver
100/pk	**AR0-52A0-12**	**AR0-52C5-12**	**AR0-52D0-12**	**AR0-52B0-12**
1000/pk	**—**	**AR0-52C5-13**	**AR0-52D0-13**	**AR0-52B0-13**

	Seal, 20 mm Diameter, PTFE/Silicone, magnetic cap	Seal, 20 mm Diameter, PTFE/Silicone, silver	Seal, 20 mm Diameter, PTFE/Silicone Pressure Release, silver
100/pk	**AR0-5255-12**	**AR0-5250-12**	**AR0-5220-12**
1000/pk	**AR0-5255-13**	**AR0-5250-13**	**AR0-5220-13**

Screw-Top

	Screw Cap, 18 mm, Magnetic Silver, PTFE/Butyl Rubber septa (red/grey)	Screw Cap, 18 mm, Magnetic Silver, PTFE/ Silicone septa (red/white)	Screw Cap, 18 mm, Magnetic Silver, PTFE/ Silicone septa (blue/white)
1000/pk	**AR0-814M-13**	**AR0-815M-13**	**AR0-81AM-13**

	Screw Cap, 18 mm, Magnetic Silver, PTFE/ Silicone septa (white/ translucent blue)	Screw Cap, 18 mm, Magnetic, Silver, SPME PTFE/Silicone septa (blue/ white)	PolyMag Screw Cap, 18 mm, Magnetic, silver, SPME PTFE/Silicone septa (blue/white)
1000/pk	**AR0-81BM-13**	**AR0-81CM-13**	**AR0-8257-13**

VOA / ASE and Storage Vials

VOA / ASE Assembled Vial Kits and Storage Vial Kits

- Convenience and assembled kits include vials with matching seals / closures
- Clear or amber, with open top or closed caps
- PTFE (Teflon®) faced 0.125 in. silicone septa or PTFE with foam urethane backing
- Lot numbered for traceability

Storage Vial Kits

	Vial Kit, Storage, 20 mL Screw, Clear w/ Caps 24-400 white PTFE/Foam Urethane liner, closed top	Vial Kit, Storage, 20 mL Screw, Amber w/ Caps 24-400 white PTFE/Foam Urethane liner, closed top	Vial Kit, Storage, 40 mL Screw, Clear w/ Caps 24-400 white PTFE/Foam Urethane, closed top	Vial Kit, Storage, 40 mL Screw, Amber w/ Caps 24-400 white PTFE/Foam Urethane, closed top
100/pk	**AR0-9559-12**	**AR0-9551-12**	**AR0-9542-12**	**AR0-9543-12**
1000/pk	**AR0-9559-13**	**AR0-9551-13**	**AR0-9542-13**	**AR0-9543-13**

VOA / ASE Vial Kits

	Vial Kit, VOA/ASE, 40 mL Screw, Clear w/ Caps 24-400 white PTFE/Silicone, open top	Vial Kit, VOA/ASE, 40 mL Screw, Clear w/ Caps 24-400 white PTFE/Silicone, (assembled), open top	Vial Kit, VOA/ASE, 40 mL Screw, Amber w/ Caps 24-400 white PTFE/Silicone open top	Vial Kit, VOA/ASE, 20 mL Screw, Clear w/ Caps 24-400 white PTFE/Silicone (assembled)*, open top
100/pk	**AR0-9540-12**	**AR0-9540-12-A**	**AR0-9541-12**	**AR0-9531-12-E**
1000/pk	**AR0-9540-13**	**AR0-9540-13-A**	**–**	**AR0-9531-13-E**

*EPA certified Class 100 vials, caps, and septa are assembled, without processing.

ASE = Dionex Accelerated Solvent Extractor for pesticide analysis.

VOA / ASE Vials and Caps (Separate)

Vials

	Vial, VOA/ASE, 40 mL Screw, Clear, 24-400 Threads (No Cap)	Vial, VOA/ASE, 40 mL Screw, Amber, 24-400 Threads (No Cap)
200/pk	**AR0-35V0-22**	**AR0-35V1-22**

Caps

	Cap (pre-assembled), Screw (24-414), w/ Bonded-in PTFE/ Silicone septa, white
1000/pk	**AR0-8557-13-B**

Make the Switch to Verex!

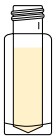
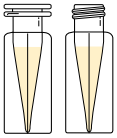
2 Easy Steps:

1. Enter your current vial or cap part number
2. Order the recommended Verex part number

www.phenomenex.com/ VialFinder

Protein and Peptide Compatible Vials

Large molecules such as proteins and peptides are easily adsorbed onto even the most inert positively or negatively charged sites on the glass surfaces. Verex plastic vials are inert and free from clarifiers and antioxidants, and are constructed from special 100 % virgin medical-grade polypropylene that does not contribute to adsorption, pH change, or baseline noise.

	Type and Description	Finish	Material	Total Volume	Residual Volume	Available as	Page Number	Part Numbers
	Plastic Vial	9-425 Screw Thread	Polypropylene	700 µL	< 5 µL	Kits (certified)	16	**AR0-9993-13-C**
							16	**AR0-9994-13-C**
	Plastic Vial	11 mm Snap or 9-425 Screw Thread	Polypropylene	300 µL	< 2 µL	Kits (certified and regular)	17	**AR0-9991-13**
							17	**AR0-9992-13**
							16	**AR0-9995-13-C**

Septa Compatibility

Septa Material	Advantages	Chemical Resistance	Applications	Max. Temp.
PTFE	Economical	Excellent	For single use only	550 °C
PTFE/Silicone	Excellent resealing capabilities	Excellent until punctured; Not suitable for chlorosilanes	Multiple injections then moderate resistance	200 °C
preSlit PTFE/Silicone	Reduces coring; Prevents vacuum from inside of vial	Excellent until punctured then moderate resistance	Multiple injections	200 °C
PTFE/Silicone/PTFE	Resistant to coring; Autoclavable	Excellent	Above average resealing; Multiple injections or applications with long periods between injections	200 °C
PTFE/Red Rubber	Economical	Excellent until punctured	Moderate resealability; Not recommended for holding samples for future analysis	110 °C
Polyethylene	Economical	Good; Not resealable	For single injection use only	175 °C
Polypropylene	Economical	Good; Not resealable	For single injection use only	175 °C
Gray Chlorobutyl	Very economical	Not suitable for chlorinated solvents alkanes, benzenes, or cyclohexanes	Suitable for low pressure applications	120 °C

VEREX™
Certified Vial Products

Specialty Vials

High Recovery CD Vials

- Patented conical interior bottom allows sample contents to completely drain to the center bottom
- Precision microsampling to less than 20 µL residual volume
- Maximum extraction of vial contents by autosampler, syringe or micropipette
- Manufactured from high-purity USP-grade glass, safeguards against a change in your sample's pH

Max Recovery CD Vials

- Allows MAXIMUM recovery with less than 2 µL residual volume
- Precision mandrel-formed center-well glass vial
- Bottom thickness of vial is precision-formed at 1.8 mm (no damaged needles!)

Plastic Vials

- Ultra-pure plastic (polypropylene) microvials
- Ideal for limited volumes of protein/peptide or pH sensitive samples
- Residual volume as low as 5 µL
- Conical interior effectively drains to bottom for precision sampling

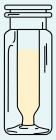
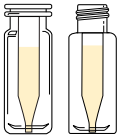
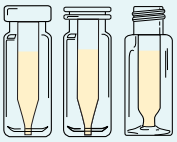
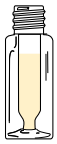
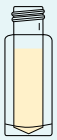
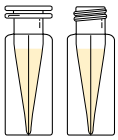
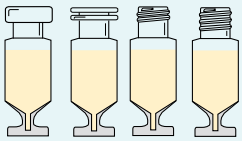
Insert Vials

- One-piece vial with fused insert, precisely centered and fit
- Evaporation and cross contamination between insert and vial is eliminated with a virtual seal of insert to septa
- Higher sample recovery with either bottom loading or side loading needles
- Residual volume as low as 4 µL

Micro Vials with Tapered Base

- Precision-made microsampling glass vials with tapered base
- Unique draining design faciliates high sample recovery
- Residual volume as low as 4 µL
- Available in clear or amber (for light-sensitive applications)

12 x 32 mm Limited Volume Specialty Vials and Kits

	Type	Finish	Material	Total Volume	Residual Volume	Available as	Page Number	Part Numbers
	High-Recovery CD Vial Center-draining	9 mm Screw Thread	Glass	1.5 mL	< 20 µL	Convenience Kits (certified and regular)	17 17 16 16	**AR0-9981-13** **AR0-9982-13** **AR0-9985-13-C** **AR0-9986-13-C**
	Max-Recovery CD Vial Center-draining	11 mm Snap or 9 mm Screw Thread	Glass	1.5 mL	< 2 µL	Vials (regular) Convenience Kits (certified)	13 16 16	**AR0-3680-12** **AR0-9987-13-C** **AR0-9988-13-C**
	Insert Vial µVial i2V	11 mm Snap	Glass	500 µL	< 2 µL	Vials (regular)	13 13	**AR0-3630-13** **AR0-3631-13**
	Insert Vial µVial i3 (Qsert)	11 mm Snap or 9 mm Screw Thread	Glass	300 µL	< 4 µL	Convenience Kits (certified and regular)	12 12 17 17 16	**AR0-9671-13** **AR0-9672-13** **AR0-9973-13** **AR0-9974-13** **AR0-9974-13-C**
	Insert Vial µVial i3 (Qsert)	11 mm Crimp or 11 mm Snap or 9 mm Screw Thread	Glass	475 µL	< 4 µL	Vials (regular)	13 10 10 18 18	**AR0-3625-13** **AR0-3725-13** **AR0-3726-13** **AR0-3920-13** **AR0-3921-13**
	Insert Vial µVial i3 (Qsert)	10 mm Screw Thread	Glass	450 µL	< 2 µL	Vials (regular)	23 23	**AR0-3020-13** **AR0-3021-13**
	Plastic Vial	9 mm Screw Thread	Polypropylene	700 µL	< 5 µL	Convenience Kits (certified)	16 16	**AR0-9993-13-C** **AR0-9994-13-C**
	Plastic Vial	11 mm Snap or 9 mm Screw Thread	Polypropylene	300 µL	< 2 µL	Convenience Kits (certified and regular) Vials (certified and regular)	12 12 17 17 16 13 18	**AR0-9691-13-C** **AR0-9692-13-C** **AR0-9991-13** **AR0-9992-13** **AR0-9995-13-C** **AR0-36S0-13-C** **AR0-39S0-13-C**
	Micro Vial with Tapered Base v-Vial	11 mm Crimp or 11 mm Snap or 9 mm Screw Thread or 10 mm Screw Thread	Glass	1.5 mL	< 4 µL	Vials (regular)	23 13 13 10 10 18 18	**AR0-3040-13** **AR0-3640-13** **AR0-3641-12** **AR0-3740-13** **AR0-3741-13** **AR0-3940-13** **AR0-3941-13**

Autosampler Compatibility Chart

Verex vials that are compatible with various models of autosamplers as indicated in the table. Certain autosamplers require the purchase of optional vial trays and, in few a cases, programming upgrades to use all of the vials listed. A • mark indicates that the vials from this category are compatible with the autosampler in most configurations.

Manufacturer	Model	Crimp	Snap	Screw Thread				Shell		Headspace				VOA/ASE
	Vial Diameter (mm)	11	11	8	9	10	13	8	15	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	8 x 40	15 x 45	23 x 46	23 x 75	23 x 46, 23 x 75	23 x 46, 23 x 75	28 x 57, 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	-	-	24-400
	Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Agilent	1050	•	•		•									
	1090	•	•		•									
	1100	•	•		•									
	1200	•	•		•									
	1260 Infinity	•			•									
	1290 Infinity	•			•									
	G1888A						•						•	
	7673A	•			•									
	7683A	•			•									
	HS7694						•						•	
	7695A													•
	79855(A)	•	•		•									
	5880	•			•									
	5890	•			•									
	6850 (27 Pos. Tray)	•			•									
	6850 (22 Pos. Tray)						•							
	6890	•			•									
	CTC HTS+HTC PAL	•	•		•									
	CTC GC PAL	•			•									
	CTC Combi PAL									•		•		
	Tekmar SOLATek72													•
	Archon Pluge + Trap													•
	AQUATek 70													•
	7693A	•	•	•			•	•						
	HS7694						•						•	
	7697A												•	
Beckman Coulter	501	•	•	•	•	•								
	502/502e	•	•	•	•	•								
	507/507e	•	•	•	•	•								
	508 (System Gold)				•					•				
	Marathon	•	•	•	•									
	Promis	•	•	•	•									
	Triathlon, Standard Tray	•	•	•	•					•				
	Triathlon, LSV Tray						•							
	Triathlon, Super-LSV Tray									•				
Carlo Erba	AS100	•	•	•	•									
	AS200	•		•	•									
	A200LC	•	•	•	•									
	AS200S	•		•	•									
	AS300	•	•	•	•									
	AS800, 42 vial tray	•		•	•									
	AS800, 60 vial tray	•		•	•									
	HS250									•				
	HS500									•				
	HS800									•		•		
	HS850									•		•		

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Autosampler Compatibility Chart *(cont'd)*

Manufacturer	Model	Crimp	Snap	Screw Thread				Shell		Headspace				VOA/ASE
	Vial Diameter (mm)	11	11	8	9	10	13	8	15	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	8 x 40	15 x 45	23 x 46	23 x 75	23 x 46, 23 x 75	23 x 46, 23 x 75	28 x 57, 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	-	-	24-400
	Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
LEAP Technologies	LC PAL (216 Pos.)	•	•	•	•	•				•				
	HTX PAL, HTC PAL, HTS PAL (54/98 Pos. Tray)	•	•	•	•	•				•				
	HTX PAL, HTC PAL, HTS PAL (32 Pos. Tray)											•		
	Combi PAL (98 Pos. Tray),	•			•									
	Combi PAL SPME Mode (98 Pos. Tray)	•			•									
	Combi PAL (32 Pos. Tray),									•		•		
	Combi PAL SPME Mode (32 Pos. Tray)											•		
PerkinElmer	Series 200, 85 vial tray	•				•								
	Series 200, 81/100 vial tray	•				•								
	Series 200, 205 vial tray	•				•								
	Series 200, 225 vial tray													
	AI-1	•												
	AS-100/AS-100B	•												
	AS2000/AS2000B	•				•								
	AS-300	•												
	AS8300	•												
	Autosystem	•												
	HS40/HS100/101										•			
	TurboMatrix HS16/HS40/ HS40 XL/ HS40 Trap/HS110/ HS110 Trap										•	•*		
	Integral 4000	•				•								
	ISS-100, 85 vial tray	•				•								
	ISS-100, 100 vial tray	•				•								
	ISS-200, 85 vial tray	•				•								
	ISS-200, 100 vial tray	•				•								
	ISS-225, 205 vial tray	•				•								
	ISS-225, 100 vial tray + 80 vial tray	•				•								
	ISS-225, 85 vial tray	•				•								
	LC 600, 60 vial tray	•				•								
	Clarus 400, 500, 600	•												
Shimadzu	AOC-5000	•			•					•		•		
	AOC-14/1400	•	•	•	•	•	•			•				
	AOC-17	•	•	•	•	•	•							
	AOC-20/20i/20s 150 Pos. Tray	•		•	•	•	•							
	AOC-20/20i/20s 96 Pos. Tray						•							
	LC-20A	•	•	•	•	•	•							
	SIL-2AS	•	•	•	•	•	•		•					
	SIL-6A	•	•	•	•	•	•		•					
	SIL-6B/SIL-7A/SIL-8A/ SIL-9A	•	•	•	•	•	•		•					
	SIL-10A/SIL-10AF/SIL-10AP/SIL-10Ai/SIL-10AxL/ Rack S 100 Pos.	•	•	•	•	•								
	SIL-10A/SIL-10AF/SIL-10AP/SIL-10Ai/SIL-10AxL/ Rack L 80 Pos.						•		•					
	SIL-10A/SIL-10AF/SIL-10AP/SIL-10Ai/SIL-10AxL/ Rack MTP2 192 Pos.							•						
	SIL-10HTA/SIL-10HTC 350 pos. Tray							•						
	SIL-10HTA/SIL-10HTC 140 Pos. Tray	•	•	•	•	•								
	SIL-10HTA/SIL-10HTC 100 Pos. Tray						•		•					
	SIL-10ADvp	•	•	•	•	•	•	•	•					

•*: for Turbomatrix 16, 40, 110 produced after 01/09/2006

Autosampler Compatibility Chart *(cont'd)*

Manufacturer	Model	Crimp	Snap	Screw Thread				Shell		Headspace				VOA/ASE
	Vial Diameter (mm)	11	11	8	9	10	13	8	15	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	8 x 40	15 x 45	23 x 46	23 x 75	23 x 46, 23 x 75	23 x 46, 23 x 75	28 x 57, 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	-	-	24-400
	Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Shimadzu (cont'd)	HTA 200 H											•	•	
	SIL-20A (Prominence) 105 vial tray/SIL-20AC (Prominence) 70 vial tray	•	•	•	•	•								
	SIL-20A/Sil-20AC (Prominence) 175 vial tray							•						
	SIL-20A/Sil-20AC (Prominence) 50 vial tray						•		•					
	LC2010C + LC2010A 350 Pos. Tray							•						
	LC2010C + LC2010A 140 Pos. Tray	•	•	•	•	•								
	LC2010C + LC2010A 100 Pos. Tray						•		•					
	ASI-V													•
	HSS-2B					•						•	•	
	SIL 30-ACMP	•		•	•									
	SIL-20AXR/SIL-20ACXR (Prominence) 175 (1-mL vials), 70 (1.5-mL vials), 50 (4-mL vials)	•	•	•	•		•	•	•					
	SIL-30AC(Nexera) 175 (1-mL vials), 105 (1.5-mL vials), 50 (4-mL vials)	•	•	•	•		•	•	•					
Spark-Holland	Marathon Basic, Standard 96 Pos. Tray	•	•	•	•									
	Midas, Standard 84 Pos. Tray	•	•	•	•					•				
	Midas, Large Capacity 96 Pos. Tray	•	•	•	•									
	Midas, Large Volume 24 Pos. Tray									•				
	Alias	•	•	•	•						•			
	Promis	•	•	•	•									
	SPH 125	•	•		•									
	Triathlon,Standard 96 Tray	•	•	•	•									
	Triathlon, LSV 72 Pos. Tray						•							
	Triathlon, Super-LSV 32 Pos. Tray									•				
	Endurance 48 Pos. Tray	•	•	•	•									
	Reliance 48 Pos. Tray	•	•	•	•									
	Interity	•	•		•									
	Prospekt 2	•	•											
	Reliance/Symbiosis Pharma	•	•											
	Dried Blood Spot (DBS)	•		•	•									
	Integrity	•		•	•									
	Integrity 108 Pos.(2ml) 2 x Plates , IntegrityPlus 2 x 108 Pos.(2ml) 4 x Plates	•	•	•	•									
	Optimas	•		•	•									
	Optimas 96 Pos.(2mL) 24 Pos. (10mL)	•	•	•	•							•		
	Alias	•	•	•	•					•				
Teledyne Tekmar	7000/7000HT/7050										•			
	AQUATek 70/SOLATek 72													•
	STS 8000 TOC													•
	HT3										•	•		

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Autosampler Compatibility Chart *(cont'd)*

Manufacturer	Model	Crimp	Snap	Screw Thread				Shell		Headspace				VOA/ASE
	Vial Diameter (mm)	11	11	8	9	10	13	8	15	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	8 x 40	15 x 45	23 x 46	23 x 75	23 x 46, 23 x 75	23 x 46, 23 x 75	28 x 57, 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	-	-	24-400
	Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Thermo Scientific	AS1000 (Trace GC)	•		•	•									
	AS200	•		•	•									
	AS300	•	•	•	•									
	AS2000 30 vial tray									•				
	AS2000 90 vial tray (Trace GC)	•		•	•									
	AI3000 (II)/AS3000 (II) AS3500 (Trace GC + Focus GC)	•			•					•				
	A200LC	•	•	•	•									
	SpectraSYSTEM AS 1000	•	•	•	•									
	SpectraSYSTEM AS 3000	•	•	•	•									
	SpectraSYSTEM AS 3500	•	•	•	•									
	A200S	•		•	•									
	AS100	•	•	•	•									
	AS800, 42 vial tray	•		•	•									
	AS800, 60 vial tray	•		•	•									
	Dionex AS-AP	•	•	•	•	•								
	Dionex UltiMate WPS-3000	•	•	•	•	•	•							
	Dionex AS 40						•		•					
	HS250									•				
	HS500									•				
	HS800									•		•		
	HS850									•		•		
	HS2000									•		•		
	TriPlus (=GC PAL) (AS+ Duo)	•		•	•					•		•		
	TriPlus HS									•		•		
	TriPlus SPME									•		•		
	TriPlus RSH	•	•	•	•					•		•		
	TriPlus 300											•		
	HiPerTOC													•
	Surveyor (Surveyor Plus)	•	•	•	•					•				
	Accela High Speed LC Autosampler (200 Pos.)	•	•	•	•									
	Accela Open Autosampler	•	•		•									
	Trace 1300 Series	•	•	•	•	•					•		•	
Varian	ProStar 400, Standard 96 Pos. Tray	•	•	•	•	•								
	ProStar 410, Standard 84 Pos. Tray	•	•	•	•	•				•				
	ProStar 410, Large Capacity 96 Pos. Tray	•	•	•	•	•								
	ProStar 410, Large Volume 24 Pos. Tray									•				
	ProStar 420, Standard 96 Pos. Tray	•	•	•	•	•								
	ProStar 420, LSV 72 Pos. Tray						•							
	ProStar 420, Super-LSV 32 Pos. Tray									•				
	ProStar 430, 48 Pos. Tray	•	•	•	•									
	8035			•	•									
	8000	•		•	•									
	8400 (100 Pos.)	•		•	•									
	8410-Autoinjector (10 x 2ml; 6 x 5ml; 5 x 10ml)	•		•	•									
	8100	•		•	•									
	8200	•		•	•	•								
	CP-910, 911, 912	•		•	•									
	CP-940, 941	•												
	LC 9100/LC 9095/LC 9090	•	•		•									

Autosampler Compatibility Chart *(cont'd)*

Manufacturer	Model	Crimp	Snap	Screw Thread				Shell		Headspace				VOA/ASE
	Vial Diameter (mm)	11	11	8	9	10	13	8	15	23	23	23	23	28
	Dimensions (mm)	12 x 32	12 x 32	12 x 32	12 x 32	12 x 32	15 x 45	8 x 40	15 x 45	23 x 46	23 x 75	23 x 46, 23 x 75	23 x 46, 23 x 75	28 x 57, 28 x 95
	Vial Thread Finish	-	-	8-425	9-425	10-425	13-425	-	-	-	-	-	-	24-400
	Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom, Tapered Base	Flat Bottom	Flat Bottom	Round Bottom	Round Bottom	Round Bottom	Flat Bottom	Flat Bottom
Varian (cont'd)	Archon													•
	COMBI PAL (200 Pos. Tray) GC PAL (200 pos. Tray)									•				
	COMBI PAL (98 Pos. Tray) GC PAL (98 Pos. Tray)	•			•					•				
	COMBI PAL SPME mode (98 Pos. Tray)	•			•					•				
	COMBI PAL (32 Pos. Tray) GC PAL (32 Pos. Tray)									•		•		
	COMBI PAL SPME mode (32 Pos. Tray)									•		•		
	Genesis	•											•	
	Marathon Basic, Standard 96 Pos. Tray	•	•	•	•									
	Vista			•	•									
	CP-9020/CP-9025									•				
	CP-9060									•				
	CP-9010	•		•	•									
	920-LC/940-LC		•	•										
VWR(Merck)/ Hitachi	L2200 (LaChrom Elite)/ L2200-U (LaChrom Ultra) (200 Pos. Tray)		•	•	•									
	L2200 (LaChrom Elite) (128 Pos. Tray)						•							
	L7200 (LaChrom) (80 Pos. Tray)/L7250(LaChrom) (120 Pos. Tray)		•	•	•									
	L7250 (LaChrom) (Rack Holder for combination Racks)		•	•	•		•							•
	655-A40 (108 Pos. Tray)		•	•	•									
	L-9100		•	•	•									
	AS 2000 (50 Pos. Tray)	•	•	•	•									
	AS 4000 (150 Pos. Tray)	•	•	•	•									
	5210 (Chromaster) 195 Pos (1 mL), 120 Pos 1.5 mL (Standard), 72 Pos. (4 mL), 2 x MTP (96,384)	•	•	•	•		•	•	•					
	AS 6000		•	•	•									
Waters	ACQUITY UPLC Systeme				•		•**							
	Wisp 48 position						•		•					
	Wisp 96 position							•						
	717, 96 Position Carousel							•						
	717, 48 Position Carousel						•		•					
	Alliance	•	•		•	•								
	Alliance GPC 2000						•			•				
	Alliance HT Syst.	•	•		•	•								
	Alliance 2790/2795	•	•		•	•								
	Acquity Sample Organizer		•		•									
	Acquity/CapLC/Waters/Nano Acquity		•		•									
	Alliance 2690/2695	•	•			•								
	CapLC	•		•	•	•								
	Model 2767					•								
	Model 2777	•		•	•	•								

•**: for 24 Position Plate

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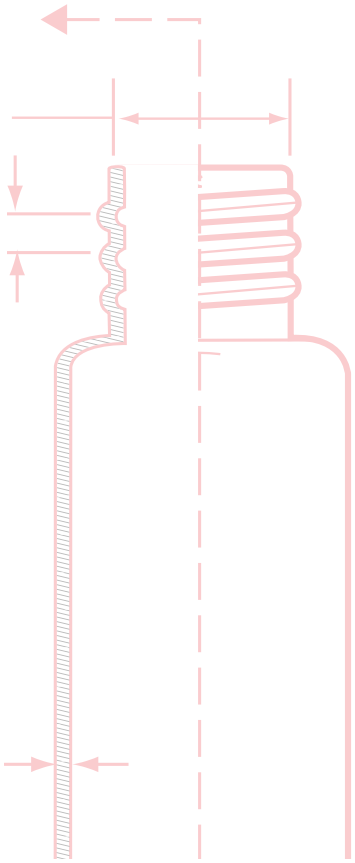
QUALITY

We're committed to the highest quality standards. Verex vial products are governed by our ISO 9001:2015 quality management system to ensure that every vial meets certification specifications.

INNOVATION

Verex vial products are engineered to exact specifications because uniform high-purity vials are essential to accurate, reproducible chromatographic results.

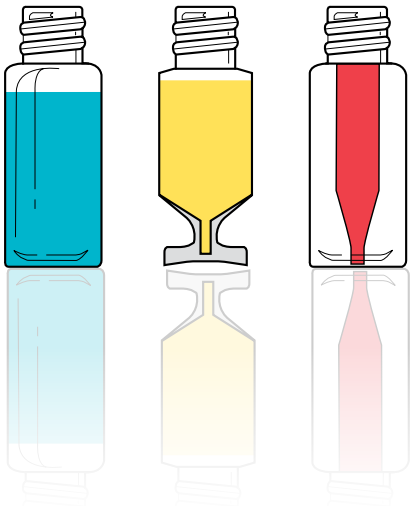


SUPPORT

Each customer receives expert separation advice from initial sample preparation through chromatographic analysis. Utilize our friendly technical consultants to select the most appropriate Verex vial product for your sample and to support your analytical method.

Questions?

Ask our technical experts, visit
www.phenomenex.com/livechat



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