

# VEREX<sup>TM</sup>

Certified Vial Products



Certified Vials, Caps, Septa,  
and Inserts at Competitive Prices

phenomenex<sup>®</sup>  
...breaking with tradition<sup>SM</sup>



## QUALITY

We're committed to the highest quality standards. Verex™ vial products are governed by our ISO 9001:2008 quality management system to ensure that every vial meets certification specifications.

## INNOVATION

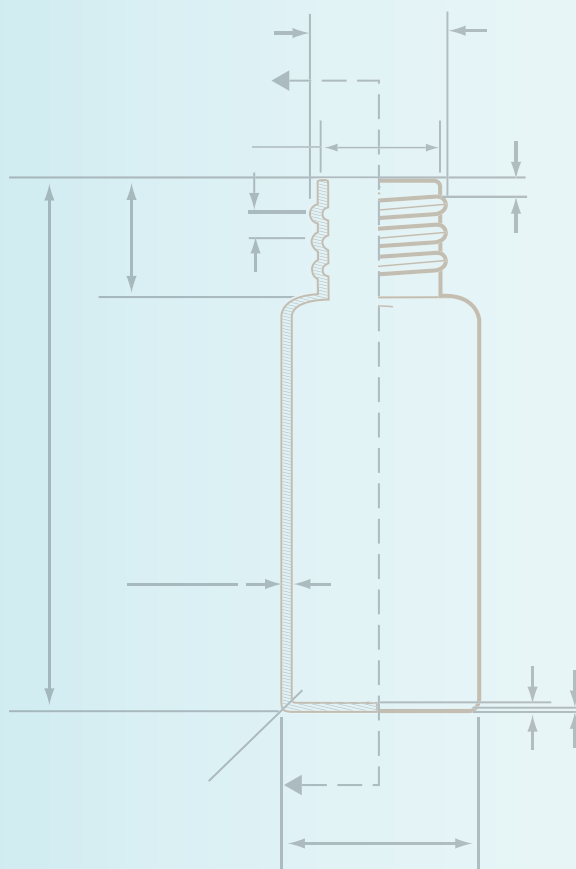
Phenomenex is a leading innovator of advanced technology for HPLC, GC, Sample Prep.—and now vials. We've painstakingly engineered Verex vial products to exacting specifications because uniform, high-purity vials are essential to accurate, reproducible chromatographic results.

## 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.



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
== ISO 9001:2008 ==




## Explore the Verex™ Difference

What Makes Verex Vials so Different? ~~~~~	4
Guaranteed Performance ~~~~~	5
Vials: The Most Critical Part of Your Analysis ~~~~~	6
Certified Products ~~~~~	7
Innovative and Environmentally Friendly Packaging ~~~~~	8
Autosampler Vials, Caps, Septa, and Inserts ~~~~~	9
 Crimp-Top ~~~~~	10
 Snap-Top ~~~~~	11
 Screw-Top ~~~~~	12
 Shell Vials ~~~~~	17
 Headspace Vials ~~~~~	18
 VOA / ASE Assembled Vial Kits and Storage Vial Kits ~~~~~	18
Protein and Peptide Compatible ~~~~~	19
Septa Compatibility ~~~~~	19
Specialty Vials ~~~~~	20
Autosampler Compatibility ~~~~~	22
Vial Cross Reference Tool ~~~~~	23



## 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 in 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).



## 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.

guarantee

If Verex vials and caps do not perform as well or better than your current vial and cap products of similar type, dimensions, and material, return the product with comparative data within 45 days for a FULL REFUND.

**VEREX**<sup>™</sup>  
Certified Vial Products





# Vials: The Most Critical Part Of Your Analysis!

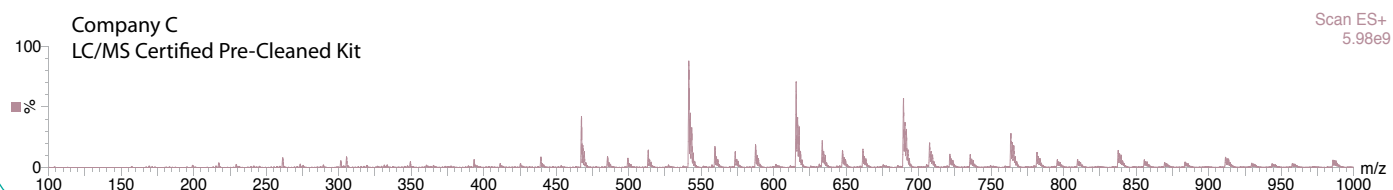
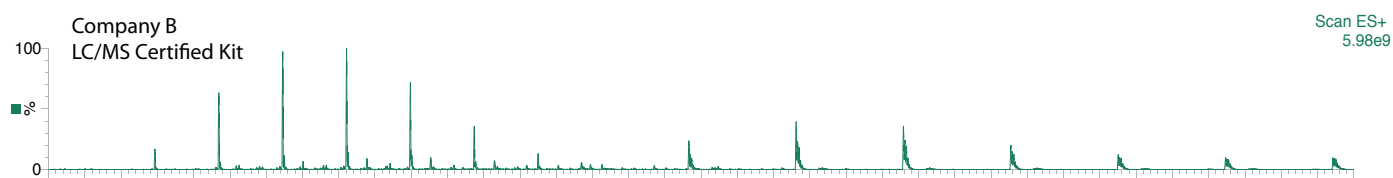
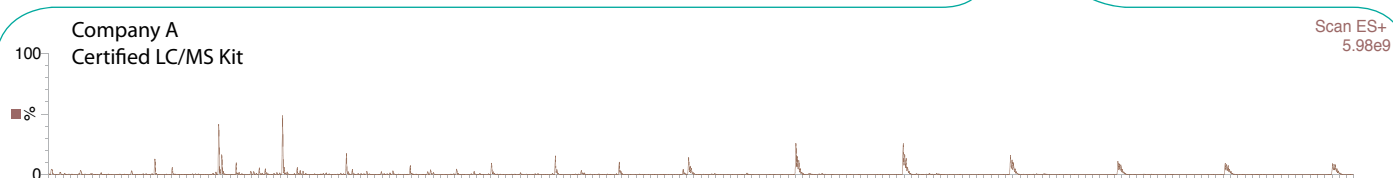
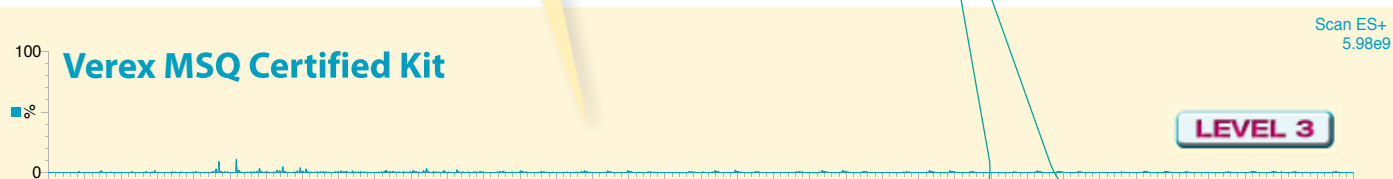
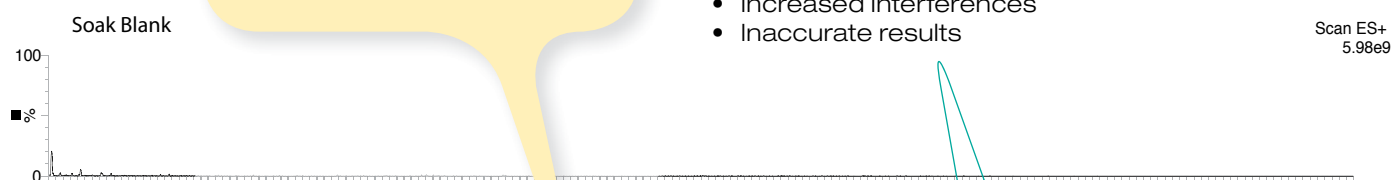
Though they may look alike, not all vials offer equivalent performance. Variations in product quality can adversely affect your chromatography, leading to mystery peaks, loss of analytes, and irreproducible results. Begin every analysis with high quality Verex™ products to minimize troubleshooting delays,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

## Verex Products:

- Improved analytical results
- Fewer contaminants
- Smoother baselines

## Competing Products Risk:

- Mystery / ghost peaks
- Increased interferences
- Inaccurate results



Don't take chances with competing vial products. Verex MSQ Certified 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.

Comparative separations may not be representative of all applications.

# 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](http://www.phenomenex.com/Verex)

## Three Levels of Certification

	<b>LEVEL 1</b> Certified	<b>LEVEL 2</b> Certified + PLUS (Cert+)	<b>LEVEL 3</b> Certified MSQ (Cert + MSQ) (Mass Spec Quality)
<b>Ultra Clean</b> Specially designed and treated for mass spectrometry (MS) applications.			✓
<b>Low Bleed</b> Special cap / closure processing, treating, and testing for low bleed of residual organics. For high sensitivity GC/MS and LC/MS applications.		✓	✓
<b>Dimensionally Verified</b> Machine vision cameras and gauges inspect critical dimensions and tolerances to produce uniform, defect-free products.	✓	✓	✓
<b>Lot Traceable</b> Vial and cap packs are 100% traceable through the manufacturing process. Certificate of Conformance available by lot number upon request.	✓	✓	✓
<b>Clean Room Packaged</b> Ensures particulate and contaminate-free products for clean chromatography.	✓	✓	✓
<b>Part Number Extension</b>	No Extension Needed	Certificate of Conformance Included; Extension -C	Certificate of Conformance Included; Extension -M
<b>Part Number Example</b>	AR0-9921-13	AR0-9921-13 -C	AR0-9921-13 -M

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

# Innovative Packaging

## Convenience Kits

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.

Every Verex Convenience Kit is designed with a complimentary, integrated vial and cap product dispenser, which provides a convenient and easy way to keep your vial products accessible, dust free and ready for use.



Front Access Panels and Slots

## Less Plastic for Greener Products

Not only have we reduced the number of plastic containers that you may be used to, but you'll also notice the outer product packaging is constructed of 100% post consumer recycled materials with 100% soy based ink.





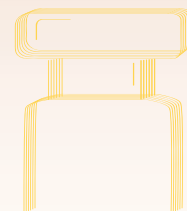


# Autosampler Vials, Caps, Septa, and Inserts



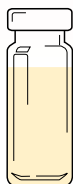
# Crimp-Top Vial Products

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.



## Ordering Information

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

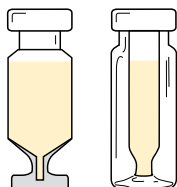


#### Crimp-Top Vials, 2.0mL

- 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

Description	1000/pk
<b>Wide Mouth Opening</b>	
Vial, Crimp, 2 mL Wide Mouth, Clear, No Patch	ARO-37K0-13
Vial, Crimp, 2 mL Wide Mouth, Clear, w/ Patch	ARO-37L0-13
Vial, Crimp, 2 mL Wide Mouth, Amber, No Patch	ARO-37K1-13
Vial, Crimp, 2 mL Wide Mouth, Amber, w/ Patch	ARO-37L1-13

Description	1000/pk
<b>Standard Opening</b>	
Vial, Crimp, 2 mL Clear, No Patch	ARO-3700-13
Vial, Crimp, 2 mL Clear, w/ Patch	ARO-3710-13
Vial, Crimp, 2 mL Amber, w/ Patch	ARO-3711-13



#### Specialty Crimp-Top Vials

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

Description	100/pk	1000/pk
Vial, Crimp, v-Vial Clear, No Patch*	—	ARO-3740-13
Vial, Crimp, v-Vial Amber, No Patch*	—	ARO-3741-13
Vial, Crimp, μVial i3 (Qsert), Clear, w/ Patch	ARO-3725-12	ARO-3725-13
Vial, Crimp, μVial i3 (Qsert), Amber, w/ Patch	ARO-3726-12	ARO-3726-13

\*51-Expansion glass. See page 20 for specialty vials product details.



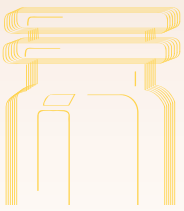
#### Seals / Closures for Crimp-Top Vials

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

Description	1000/pk
Seal, 11mm Diameter, Crimp, PTFE/Silicone, silver	ARO-5780-13
Seal, 11mm Diameter, Crimp, PTFE/Silicone/PTFE, silver	ARO-5760-13
Seal, 11mm Diameter, Crimp, PTFE/Rubber, silver	ARO-5740-13
Seal, 11mm Diameter, Crimp, PTFE/Rubber, blue	ARO-5742-13
Seal, 11mm Diameter, Crimp, PTFE/Rubber, red	ARO-5741-13
Seal, 11mm Diameter, Crimp, PTFE/Rubber, green	ARO-5743-13
Seal, 11mm Diameter, Crimp, PTFE/Rubber, gold	ARO-5746-13
Seal, 11mm Diameter, Crimp, PTFE, silver	ARO-5710-13



Need help matching your current vials and caps to Verex? See p. 23 to learn about our online matching tool.



# 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 storage and non-volatile samples.

## Ordering Information

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



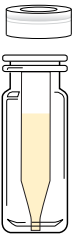
#### Convenience Kits – Snap-Top Vials and Seals / Closures

- Precision formed for autosampler fit
- Larger-opening “wide-mouth” style prevents broken needles and system downtime
- Rigorous quality testing for consistent performance
- Precise vial depth provides consistent sample recoveries

Description	1000/pk
Vial Kit, Snap Cap, 2 mL Clear, w/ Patch + PTFE/Silicone	ARO-9721-13
Vial Kit, Snap Cap, 2 mL Clear + PTFE/Silicone, preSlit	ARO-9727-13

No write-on patch unless otherwise indicated.

Simply choose the vial closure convenience kit for your application and you'll also receive a free dispenser box! See page 8 for details.

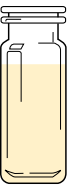


#### Convenience Kits – Specialty Snap-Top Vials and Seals/ Closures

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

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

See page 20 for specialty vials product details.

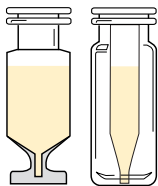


#### Snap-Top Vials\*, 2.0 mL

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

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

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



#### Snap-Top Vials, Specialty

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

Description	100/pk	1000/pk
Vial, Snap, v-Vial i2V Clear, No Patch*	ARO-3640-12	ARO-3640-13
Vial, Snap, v-Vial i2V Amber, No Patch*	ARO-3641-12	ARO-3641-13
Vial, Snap, µVial i2V Clear, No Patch	ARO-3630-12	ARO-3630-13
Vial, Snap, µVial i2V Amber, No Patch	ARO-3631-12	ARO-3631-13
Vial, Snap, µVial i3 (Qsert), Clear, w/ Patch	ARO-3625-12	ARO-3625-13

\*51-Expansion glass. See page 20 for specialty vials product details.



#### Seals / Closures for Snap-Top Vials

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

Description	1000/pk
Seal, 11 mm Diameter, Snap, PTFE/Silicone, blue	ARO-5652-13
Seal, 11 mm Diameter, Snap, PTFE/Silicone, natural	ARO-5656-13
Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, blue	ARO-5672-13
Seal, 11 mm Diameter, Snap, PTFE/Silicone preSlit, natural	ARO-5676-13
Seal, 11 mm Diameter, Snap, PTFE/Rubber, natural	ARO-5646-13
Seal, 11 mm Diameter, Snap, PTFE, blue	ARO-5612-13

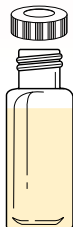
# Screw-Top Vial Products

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.



## Ordering Information

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



#### Convenience Kits – Certified PLUS (Cert+) Mass Spec Quality (MSQ) 9-425 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

**LEVEL 3**

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

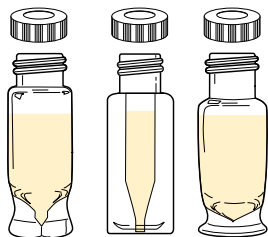
#### Convenience Kits – Certified PLUS (Cert+) 9-425 Screw-Top Vials and Caps with Bonded-In Septa

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

**LEVEL 2**

Description	1000/pk
Cert+ Vial Kit, 9mm, 2 mL Clear w/ Patch + PTFE/Silicone cap	ARO-9921-13-C
Cert+ Vial Kit, 9mm, 2 mL Clear w/ Patch + PE-Starburst cap	ARO-9927-13-C
Cert+ Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Silicone, preSlit cap	ARO-9926-13-C
Cert+ Vial Kit, 9mm, 2 mL Amber w/ Patch + PE-Starburst cap	ARO-9928-13-C

Simply choose the vial closure convenience kit for your application and you'll also receive a free dispenser box! See page 8 for details.



#### Convenience Kits – Certified PLUS (Cert+) Specialty 9-425 Screw-Top Vials and Caps

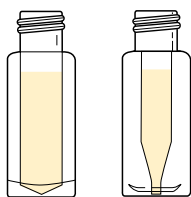
- Kits for microsampling (center-draining and fused-insert vials)
- Lower trace contaminants for higher sensitivity work
- Inert polypropylene (PP) vials for biochromatography, or pH-sensitive applications

**LEVEL 2**

Description	100/pk	1000/pk
Cert+ Vial Kit, 9mm, Maximum Recovery (CD) Clear + PTFE/Silicone cap*	ARO-9987-12-C	ARO-9987-13-C
Cert+ Vial Kit, 9mm, Maximum Recovery (CD) Clear + PTFE/Silicone, preSlit cap*	ARO-9988-12-C	ARO-9988-13-C
Cert+ Vial Kit, 9mm, High Recovery (CD) Clear + PE-Starburst cap <sup>□</sup>	ARO-9985-12-C	ARO-9985-13-C
Cert+ Vial Kit, 9mm, High Recovery (CD) Amber + PE-Starburst cap <sup>□</sup>	ARO-9986-12-C	ARO-9986-13-C
Cert+ Vial Kit, 9mm, µVial i3(Qsert) Clear w/ Patch + PTFE/Silicone, preSlit cap*	ARO-9974-12-C	ARO-9974-13-C
Cert+ Vial Kit, 9mm, PP, 300 µL + PE-Starburst cap <sup>□</sup>	—	ARO-9995-13-C
Cert+ Vial Kit, 9mm, PP, 700 µL + PTFE/Silicone cap*	—	ARO-9993-13-C
Cert+ Vial Kit, 9mm, PP, 700 µL + PTFE/Silicone, preSlit cap*	—	ARO-9994-13-C

No write-on patch unless otherwise indicated. See page 20 for specialty vials product details.

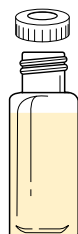
\*B = Bonded-In Septa. <sup>□</sup> Cap is one piece, constructed of ultra-pure, medical-grade polyethylene.



#### Convenience Kits – 9-425 Screw-Top Vials and Caps with Bonded-In Septa

- Sample volume range from 0.2 to 1.5 mL

Description	1000/pk
Vial Kit, 9mm, 2 mL Clear + PTFE/Silicone	ARO-9901-13
Vial Kit, 9mm, 2 mL Clear + PTFE/Silicone, preSlit	ARO-9903-13
Vial Kit, 9mm, 2 mL Clear w/ Patch + PTFE/Silicone	ARO-9921-13
Vial Kit, 9mm, 2 mL Clear w/ Patch + PTFE/Silicone, preSlit	ARO-9925-13
Vial Kit, 9mm, 2 mL Clear + PTFE/Silicone/PTFE	ARO-9905-13
Vial Kit, 9mm, 2 mL Clear + PTFE/Rubber	ARO-9907-13
Vial Kit, 9mm, 2 mL Clear w/ Patch + PTFE/Rubber, preSlit	ARO-9914-13
Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Silicone	ARO-9922-13
Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Silicone, preSlit	ARO-9926-13
Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Silicone/PTFE	ARO-9923-13
Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Rubber	ARO-9912-13
Vial Kit, 9mm, 2 mL Amber w/ Patch + PTFE/Rubber, preSlit	ARO-9913-13

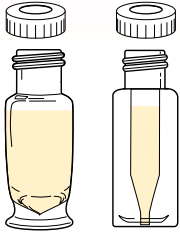




## Screw-Top Vial Products (cont'd)

### Ordering Information

#### 12 x 32mm, 9-425 (9mm) Screw-Top Vials and Kits (cont'd)

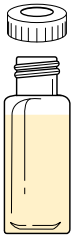


#### Convenience Kits – Specialty 9-425 Screw-Top Vials and Caps with Bonded-In Septa

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

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

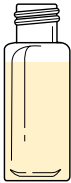
No write-on patch unless otherwise indicated. See page 20 for specialty vials product details.



#### Convenience Kits – Assembled 9-425 Screw-Top Vials and Caps with Bonded-In Septa

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

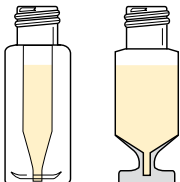
Description	1000/pk
Vial Kit, 9mm, 2mL Clear w/ Patch + PTFE/Silicone, preSlit	ARO-9925-13-A
Vial Kit, 9mm, 2mL Amber w/ Patch + PTFE/Silicone, preSlit	ARO-9926-13-A
Vial Kit, 9mm, 2mL Clear, w/ Patch + PTFE/Rubber, Silanized	ARO-9915-13-A



#### 9-425 Screw-Top Vials, 2.0mL

- 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)

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



#### Specialty 9-425 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

Description	100/pk	1000/pk
Vial, 9mm Screw, µVial i3 (Qsert) Clear, No Patch	ARO-3920-12	ARO-3920-13
Vial, 9mm Screw, µVial i3 (Qsert) Amber, No Patch	ARO-3921-12	ARO-3921-13
Vial, 9mm Screw, v-Vial Clear, No Patch*	ARO-3940-12	ARO-3940-13
Vial, 9mm Screw, v-Vial Amber, No Patch*	ARO-3941-12	ARO-3941-13

\*51-Expansion glass. See page 20 for specialty vials product details.



Need help matching your current vials and caps to Verex? See p. 23 to learn about our online matching tool.



## Screw-Top Vial Products (cont'd)



## Ordering Information

## 12 x 32mm, 9-425 (9mm) Screw-Top Vials and Kits (cont'd)



## Certified PLUS (Cert+) Mass Spec Quality (MSQ) Caps for 9-425 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

LEVEL 3

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

**MS Quality.** Constructed of virgin polymers, free of siloxanes and trace contaminants, these caps are the cleanest available from Phenomenex.



## Certified PLUS (Cert+) Caps for 9-425 Screw-Top Vials

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

LEVEL 2

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

<sup>□</sup> Cap is one piece, constructed of ultra-pure, medical-grade polyethylene.

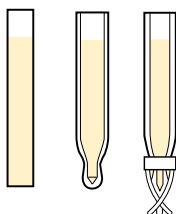


## Bonded-In Caps for 9-425 Screw-Top Vials

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

Description	1000/pk
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone septa, black	ARO-8957-13-B
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone septa, blue	ARO-8952-13-B
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone septa, natural	ARO-8956-13-B
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone septa, red	ARO-8951-13-B
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone preSlit septa, black	ARO-8977-13-B
Cap (pre-assembled), 9 mm, w/ Bonded-in PTFE/Silicone preSlit septa, blue	ARO-8972-13-B

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



## Inserts for 9-425 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

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

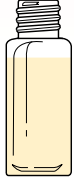
Approximate useable volume indicated in µL.



# Screw-Top Vial Products (cont'd)

## Ordering Information

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



#### 8-425 Screw-Top Vials, 2.0mL

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

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



#### Caps / Closures for 8-425 Screw-Top Vials

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

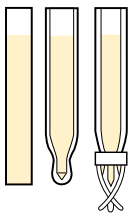
Description	1000/pk
Cap (pre-assembled), 8-425, w/ Bonded-in PTFE/Silicone septa, black*	ARO-8857-13-B
Cap (pre-assembled), 8-425, w/ Bonded-in PTFE/Silicone preSlit septa, black*	ARO-8877-13-B
Cap (pre-assembled), 8-425, w/ PTFE/Silicone septa, black**	ARO-8857-13
Cap (pre-assembled), 8-425, w/ PTFE/Silicone preSlit septa, black**	ARO-8877-13
Cap (pre-assembled), 8-425, w/ PTFE/Silicone/PTFE septa, black**	ARO-8867-13
Cap (pre-assembled), 8-425, w/ Open-top cap (w/o septa), black	ARO-8897-13
Cap (pre-assembled), 8-425, w/ Open-top cap (w/o septa, flanged lip), black	ARO-88A7-13

\*-B = Bonded-in Septa. \*\*Press-Fit-Septa.

#### Septa for 8-425 Screw Caps

- Preconditioned and tested
- For caps / closures without septa (ARO-8897-13 and ARO-88A7-13)

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

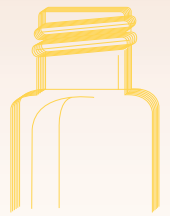


#### Inserts for 8-425 Screw-Top Vials

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

Description	500/pk	1000/pk
Insert, 5 mm Diameter, Flat Bottom, 200 µL	ARO-4510-52	ARO-4510-13
Insert, 5 mm Diameter, Flat Bottom, 200 µL, Deactivated (silanized)	ARO-4514-52	ARO-4514-13
Insert, 5 mm Diameter, Conical Bottom, 100 µL	—	ARO-4520-13
Insert, 5 mm Diameter, Conical Bottom, w/ bottom spring, 175 µL	—	ARO-4521-13

Approximate useable volume indicated in µL.



### Ordering Information

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

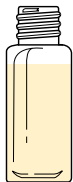


#### Convenience Kits – 10-425 Screw-Top Vials and Caps with Bonded-In Septa

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

Description	100/pk	1000/pk
Vial Kit, 10 mm, 2 mL Clear, No Patch + PTFE/Silicone, preSlit	—	ARO-9003-13
Vial Kit, 10 mm, 2 mL Clear, No Patch + PTFE/Silicone, Silanized	ARO-9005-12	—
Vial Kit, 10 mm, 2 mL Clear, No Patch, PTFE/Silicone + preSlit, Silanized	ARO-9006-12	—
Vial Kit, 10 mm, 2 mL Clear, w/ Patch + PTFE/Silicone <sup>†</sup>	—	ARO-9021-13-A
Vial Kit, 10 mm, 2 mL Amber, w/ Patch + PTFE/Silicone <sup>†</sup>	—	ARO-9022-13-A

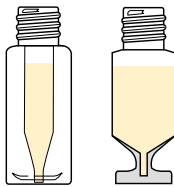
<sup>†</sup>A = Assembled.



#### 10-425 Screw-Top Vials, 2.0 mL

- Easy-to-fill wide-mouth vials

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



#### Specialty 10-425 Screw-Top Vials

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

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

See page 20 for specialty vials product details.



#### Caps/ Closures for 10-425 Screw-Top Vials

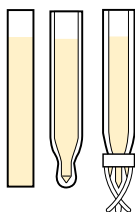
- High quality preconditioned septa
- Bonded-in or press fit
- Prevent rework and wasted productivity with perfect fit bonded-in septa

Description	1000/pk
Cap (pre-assembled), 10-425, w/ Bonded-in PTFE/Silicone septa, black <sup>•</sup>	ARO-8057-13-B
Cap (pre-assembled), 10-425, w/ Bonded-in PTFE/Silicone preSlit septa, black <sup>•</sup>	ARO-8077-13-B
Cap (pre-assembled), 10-425, w/ PTFE/Silicone septa, black <sup>**</sup>	ARO-8057-13
Cap (pre-assembled), 10-425, w/ PTFE/Silicone preSlit septa, black <sup>**</sup>	ARO-8077-13

<sup>•</sup>B = Bonded-in Septa. <sup>\*\*</sup>Press-fit Septa.



Need help matching your current vials and caps to Verex? See p. 23 to learn about our online matching tool.



#### Inserts for 10-425 Screw-Top Vials

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

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

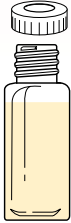
Approximate useable volume indicated in µL.



# Screw-Top Vial Products (cont'd)

## Ordering Information

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

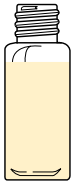


#### Convenience Kits – 13-425 Screw-Top Vials and Caps

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

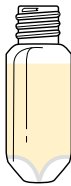
Description	1000/pk
Vial Kit, 4 mL Clear w/ Patch + screw caps 13-425, PTFE/Silicone <sup>†*</sup>	ARO-9321-13-A
Vial Kit, 4 mL Clear w/ Patch + screw caps 13-425, PTFE 0.01 in. <sup>‡</sup>	ARO-9391-13-A
Vial Kit, 4 mL, Amber w/Patch + screw caps 13-425, PTFE/Silicone <sup>†</sup>	ARO-9422-13-A
Vial Kit, 4 mL Amber w/ Patch + screw caps 13-425, PTFE 0.01 in. <sup>‡</sup>	ARO-9392-13-A

<sup>†</sup>A = Assembled.    <sup>\*</sup>Bonded-In Septa.



#### 13-425 Screw-Top Vials, 4.0 mL

Description	1000/pk
Vial, 4 mL Screw Clear, No Patch	ARO-3300-13
Vial, 4 mL Screw Clear, w/ Patch	ARO-3310-13
Vial, 4 mL Screw Amber, No Patch	ARO-3301-13



#### Specialty 13-425 Screw-Top Vials

- For low volume samples

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

See page 20 for specialty vials product details.



#### Caps / Closures for 13-425 Screw Top Vials

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

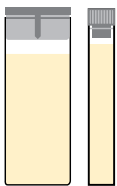
Description	1000/pk
Cap (pre-assembled), 13-425, w/ Bonded-in PTFE/Silicone septa, black <sup>*</sup>	ARO-8357-13-B
Cap (pre-assembled), 13-425, w/ PTFE/Silicone septa, black <sup>**</sup>	ARO-8357-13

<sup>\*</sup>B = Bonded-in Septa.    <sup>\*\*</sup>Press-Fit-Septa.

## Shell Vials

### Ordering Information

#### Shell Vials



#### Convenience Kits – Shell Vials, 1.0 and 4.0 mL

- 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

Description	1000/pk
Shell Vial, 8 x 40 mm, 1 mL Flat Bottom, Clear <sup>*</sup>	ARO-3110-13
Shell Vial, 15 x 45 mm, 4 mL Flat Bottom, Clear <sup>*</sup>	ARO-3170-13

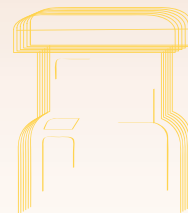
<sup>\*</sup>51-Expansion glass

#### Convenience Kits – Certified PLUS Shell Vials, 1.0 mL

Description	200/pk
Cert+ Shell Vial, 8 x 40 mm, 1 mL Flat Bottom, Clear	ARO-3110-22-C
Cert+ Shell Vial, 8 x 40 mm, 1 mL Flat Bottom, Amber	ARO-3111-22-C

Simply choose the vial closure convenience kit for your application and you'll also receive a free dispenser box! See page 8 for details.

# Headspace Vials



## Ordering Information Headspace Vials



### Crimp-Top Headspace Vials

- 10 and 20 mL crimp neck, with rounded or flat bottom
- Uniform glass thickness ensures even heating
- Lot traceable

Description	1000/pk
Headspace Vial, 23 x 46 mm, 10 mL Beveled Edge, Flat Bottom, Clear, No Patch	ARO-3220-13
Headspace Vial, 23 x 46 mm, 10 mL Beveled Edge, Round Bottom, Clear, No Patch	ARO-3230-13
Headspace Vial, 23 x 75 mm, 20 mL Beveled Rim, Flat Bottom, Clear, No Patch	ARO-3260-13
Headspace Vial, 23 x 75 mm, 20 mL Beveled Rim, Flat Bottom., Clear, No Patch, Silanized	ARO-3263-13
Headspace Vial, 23 x 75 mm, 20 mL Square Rim, Flat Bottom, Clear, No Patch	ARO-3290-13
Headspace Vial, 23 x 75 mm, 20 mL Beveled Rim, Round Bottom, Clear, No Patch	ARO-3270-13

### Headspace Crimp-Top Seals / Closures

- Variety of styles for any application
- Crimp and decrimp with ease
- Magnetic and pressure-release caps available

Description	1000/pk
Seal, 20 mm Diameter, PTFE/Gray Butyl Rubber, magnetic cap	ARO-52C5-13
Seal, 20 mm Diameter, PTFE/Gray Butyl Rubber, Pressure Release, silver	ARO-52A0-13
Seal, 20 mm Diameter, PTFE/Butyl Rubber Pharmafix Molded Septum, silver	ARO-52D0-13
Seal, 20 mm Diameter, PTFE/Butyl Rubber Pressure Release, Pharmafix Molded Septum, silver	ARO-52B0-13
Seal, 20 mm Diameter, PTFE/Silicone magnetic cap	ARO-5255-13
Seal, 20 mm Diameter, PTFE/Silicone silver	ARO-5250-13
Seal, 20 mm Diameter, PTFE/Silicone Pressure Release, silver	ARO-5220-13

#### Autosampler Compatibility

**Flat Bottom:** HP / Agilent, Carlo Erba, Shimadzu  
**Round Bottom:** PerkinElmer, Tekmar, LEAP Technologies, Varian

## VOA / ASE Assembled Vial Kits and Storage Vial Kits

### Ordering Information

#### VOA / ASE Assembled Vial and Storage 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

Description	100/pk	1000/pk
Vial Kit, Storage, 20 mL screw, Clear w/ Caps 24-400 white PTFE/Foam Urethane liner, closed top	ARO-9559-12	ARO-9559-13
Vial Kit, Storage, 20 mL screw, Amber w/ Caps 24-400 white PTFE/Foam Urethane liner, closed top	ARO-9551-12	ARO-9551-13
Vial Kit, Storage, 40 mL screw, Clear w/ Caps 24-400 white PTFE/Foam Urethane, closed top	ARO-9542-12	ARO-9542-13
Vial Kit, Storage, 40 mL screw, Amber w/Caps 24-400 white PTFE/Foam Urethane, closed top	ARO-9543-12	ARO-9543-13
Vial Kit, VOA/ASE, 40 mL screw, Clear w/Caps 24-400 white PTFE/Silicone, open top	ARO-9540-12	ARO-9540-13
Vial Kit, VOA/ASE, 40 mL screw, Amber w/ Caps 24-400 white PTFE/Silicone, open top	ARO-9541-12	ARO-9541-13
Vial Kit, VOA/ASE, 20 mL screw, Clear w/ Caps 24-400 white PTFE/Silicone (assembled) <sup>1</sup> , open top	ARO-9531-12-E	ARO-9531-13-E

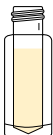
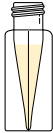
<sup>1</sup>EPA certified Class 100 vials, caps, and septa are assembled, without processing.  
 ASE = Dionex Accelerated Solvent Extractor for pesticide analyses.



## 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)	12 12	ARO-9993-13-C ARO-9994-13-C
 Plastic Vial	11 mm Snap or 9-425 Screw Thread	Polypropylene	300 µL	< 2 µL	Kits (certified and regular)	13 13 12	ARO-9991-13 ARO-9992-13 ARO-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 than 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
Gray Chlorobutyl	Very economical	Not suitable for chlorinated solvents alkanes, benzenes or cyclohexanes	Suitable for low pressure applications	120 °C

\*PTFE: polytetrafluoroethylene, also known as Teflon®

## Specialty Vials



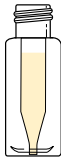
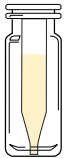
### High Recovery CD Vials:

- Patented conical interior bottom allows sample contents to completely drain to the center bottom
- Precision microsampling to less than 20  $\mu\text{L}$  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



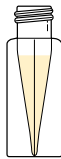
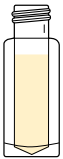
### Max Recovery CD Vials:

- Allows MAXIMUM recovery with less than 2  $\mu\text{L}$  residual volume
- Precision mandrel-formed center-well glass vial (patent-pending)
- Bottom thickness of vial is precision-formed at 1.8 mm (no damaged needles!)



### $\mu\text{Vial}$ :

- 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  $\mu\text{L}$



### Plastic Vials:

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


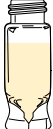
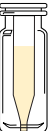
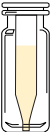
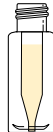
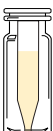

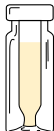
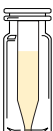




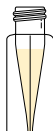

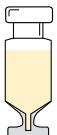





### Micro Vial with Tapered Base:

- Precision-made microsampling glass vials with tapered base
- Unique draining design facilitates high sample recovery
- Residual volume as low as 4  $\mu\text{L}$
- Available in clear or amber (for light-sensitive applications)



## 12 x 32 mm Specialty Vials

	Type and Description	Finish	Material	Total Volume	Residual Volume	Available as	Page Number	Part Numbers
	<b>High-Recovery CD Vial</b>	9-425 Screw Thread	Glass	1.5 mL	< 20 µL	Convenience Kits (certified and regular)	13	ARO-9981-13
	<b>Center-draining</b>						13	ARO-9982-13
	<b>Max Recovery CD Vial</b>	9-425 Screw Thread	Glass	1.5 mL	< 2 µL	Convenience Kits (certified)	12	ARO-9987-13-C
	<b>Center-draining</b>						12	ARO-9988-13-C
	<b>Insert Vial</b>	11 mm Snap	Glass	300 µL	< 4 µL	Vials (regular)	11	ARO-3630-13
<b>µVial i2V</b>	11						ARO-3631-13	
	<b>Insert Vial</b>	11 mm Snap or 9-425 Screw Thread	Glass	475 µL	< 2 µL	Convenience Kits (certified and regular)	11	ARO-9671-13
							<b>µVial i3 (Qsert)</b>	11
							13	ARO-9973-13
							13	ARO-9974-13
							12	ARO-9974-13-C
	<b>Insert Vial</b>	11 mm Crimp or 11 mm Snap or 9-425 Screw Thread	Glass	475 µL	< 2 µL	Vials (regular)	11	ARO-3625-13
							<b>µVial i3 (Qsert)</b>	10
							10	ARO-3726-13
							13	ARO-3920-13
							13	ARO-3921-13
							16	ARO-3020-13
							16	ARO-3021-13
	<b>Plastic Vial</b>	9-425 Screw Thread	Polypropylene	700 µL	< 5 µL	Convenience Kits (certified)	12	ARO-9993-13-C
							12	ARO-9994-13-C
	<b>Plastic Vial</b>	11 mm Snap or 9-425 Screw Thread	Polypropylene	300 µL	< 2 µL	Vials and Convenience Kits (certified and regular)	13	ARO-9991-13
							13	ARO-9992-13
							12	ARO-9995-13-C
	<b>Micro Vial with Tapered Base</b>	11 mm Crimp or 11 mm Snap or 9-425 Screw Thread or 10-425 mm Screw Thread	Glass	1.4 mL	< 4 µL	Vials (regular)	16	ARO-3040-13
							<b>v-Vial</b>	11
							11	ARO-3641-13
							10	ARO-3740-13
							10	ARO-3741-13
							13	ARO-3940-13
							13	ARO-3941-13



Need help matching your current vials and caps to Verex? See p. 23 to learn about our online matching tool.

For vial finish, the prefix refers to vial diameter followed by standard thread finish. For example, 9-425 neck finish represents a vial with a diameter of 9mm across the outside of the threads and a thread style of 425.

# Autosampler Compatibility

Verex™ vial products are compatible with various autosampler models.\*

Manufacturer	Model	11 mm Crimp	8-425 (8 mm) Screw Thread	9-425 (9 mm) Screw Thread	10-425 (10 mm) Screw Thread	15 x 45 mm 4 mL	Headspace
Page Number:		10	15	12-14	16	17	18
Agilent Technologies	1050	x		x			
	1090A	x	x	x			
	1100/1200 Wellplate/ NanoFlow	x		x			
	6850ALS	x					
	7673A/7683	x					
	7694E						x
Beckman Coulter	501/507/System Gold	x	x	x		x	
CTC	See Leap Technologies	x	x	x			
Dionex	ASI-100/A550	x	x	x	x	x	
	AS-40		x			x	
	FAMOS	x	x	x			
ESA	540	x	x	x	x	x	
	540-MT	x	x	x	x		
Fisons	A-200S/AS 150/800/8000	x	x	x			
Gerstel	MPS 2	x	x	x	x		Magnetic
	MPS 3	x	x	x	x		
Gilson	234, 235, 250	x	x	x			
	231 XL/232 XL/ 233 XL	x	x	x			
	215	x	x	x	x		
Hitachi	AS-1000, AS-2000	x	x	x			
	AS-4000	x		x			
	Lachrom L-7200/7250	x	x	x			
	Lachrom Elite L-2200	x	x	x			
JASCO	851/AS950/1550/1555		Flanged				
	AS-2059/AS2059Plus		Flanged		x		
	AS-2055/AS/2057		Flanged		x		
LEAP Technologies	CLPAL/GC PAL	x	x	x	x		
	Combi PAL	x	x	x	x		
	HTC PAL/HTS PAL	x	x	x	x		
PerkinElmer	AutoSystem/ AS-2000/XL	x	x	x		x	
	Clarus 500/600	x		x			
	LC Plus	x	x	x	x		
Shimadzu	AOC-8B/9, AOC-14/1400	x	x	x			
	AOC-5000	x	x	x	x		Magnetic
	AOC-20	x		x		x	
	HSS-2B/4B						x
	SIL-10A		x	x	x		
	SIL-HT/10ADV, LC-2010	x	x	x	x		
Spark-Holland	Symbiosis/ Reliance	x	x	x	x		
Thermo Scientific	Surveyor LC	x	x	x			
	AS-3000/Trace GC/ Focus LC	x		x			
	TriPlus	x	x	x	x		x
Teledyne/Tekmar	7000/7050						x
	HT3A						x
Varian	CP-8410	x	x	x	x	x	
	CombiPAL	x	x	x	x		Magnetic
	8034/8035/8100/8200	x	x	x			
	9095/9100	x	x	x			
	Prostar 400/410/420	x	x	x	x		
	Prostar 430	x	x	x	x		
	Genesis					x	
Waters	WISP 48 position tray					x	
	Alliance 2690		x	x	x		
	Model 2767		x	x	x		
	Model 2777				x		
	Acquity	x	x	x	x		
	CapLC	x	x	x			

\* Certain autosamplers require the purchase of optional vial trays and, in some cases, programming upgrades to use all of the vials listed.

**X:** Vials from this category are compatible with the autosampler in most configurations

**Flanged:** Cap having an outer flange is required for the vial to operate properly with the autosampler

**Magnetic:** A magnetic seal is required for use with the autosampler

All trademarks belong to their respective owners.

# 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.



[www.Phenomenex.com/VialMatch](http://www.Phenomenex.com/VialMatch)

**3 Easy Steps:**

1. Enter your current vial or cap part number
2. Confirm the correct part number was entered
3. Order the recommended Verex part number

**Selected Part:**

Part Number: ARD-2900-12  
 Description: Verex Vial, 9mm Screw, 2mL, Clear, No Patch  
 QTY: 1

Vial Finish: 9-425 Screw Thread  
 Vial Profile: Flat Bottom  
 Vial Material: Glass  
 Patched: No  
 Total Volume: 2mL  
 Usable Volume: 1.5mL  
 Residual Volume: <170µL  
 Comment: Screw Thread vial designed for robotic autosamplers  
 Alternative Part: C4000-1, C4000-1

**2 Search Results**

part number	description	price
ARD-2900-12	Verex Vial, 9mm Screw, 2mL, Clear, No Patch	(160PM)
ARD-2900-13	Verex Vial, 9mm Screw, 2mL, Clear, No Patch	(160PM)







Certified Vials, Caps, Septa,  
and Inserts at Competitive Prices



**Australia**

t: 02-9428-6444  
f: 02-9428-6445  
auiinfo@phenomenex.com

**Austria**

t: 01-319-1301  
f: 01-319-1300  
anfrage@phenomenex.com

**Belgium**

t: +31 (0)30-2418700  
f: +31 (0)30-2383749  
beinfo@phenomenex.com

**Canada**

t: (800) 543-3681  
f: (310) 328-7768  
info@phenomenex.com

**Denmark**

t: 4824 8048  
f: +45 4810 6265  
nordicinfo@phenomenex.com

**Finland**

t: 09 4789 0063  
f: +45 4810 6265  
nordicinfo@phenomenex.com

**France**

t: 01 30 09 21 10  
f: 01 30 09 21 11  
franceinfo@phenomenex.com

**Germany**

t: 06021-58830-0  
f: 06021-58830-11  
anfrage@phenomenex.com

**India**

t: 040-3012 2400  
f: 040-3012 2411  
indiainfo@phenomenex.com

**Ireland**

t: 01 247 5405  
f: +44 1625-501796  
eireinfo@phenomenex.com

**Italy**

t: 051 6327511  
f: 051 6327555  
italiainfo@phenomenex.com

**Luxembourg**

t: +31 (0)30-2418700  
f: +31 (0)30-2383749  
nlinfo@phenomenex.com

**Mexico**

t: 001-800-844-5226  
f: 001-310-328-7768  
tecnicomx@phenomenex.com

**The Netherlands**

t: 030-2418700  
f: 030-2383749  
nlinfo@phenomenex.com

**New Zealand**

t: 09-4780951  
f: 09-4780952  
nzinfo@phenomenex.com

**Norway**

t: 810 02 005  
f: +45 4810 6265  
nordicinfo@phenomenex.com

**Puerto Rico**

t: (800) 541-HPLC  
f: (310) 328-7768  
info@phenomenex.com

**Sweden**

t: 08 611 6950  
f: +45 4810 6265  
nordicinfo@phenomenex.com

**United Kingdom**

t: 01625-501367  
f: 01625-501796  
ukinfo@phenomenex.com

**United States**

t: (310) 212-0555  
f: (310) 328-7768  
info@phenomenex.com

**All other countries:  
Corporate Office USA** 

t: (310) 212-0555  
f: (310) 328-7768  
info@phenomenex.com



Phenomenex products are available worldwide. For the distributor in your country, contact Phenomenex USA, International Department at [international@phenomenex.com](mailto:international@phenomenex.com)

**Terms & Conditions**

Subject to Phenomenex Standard Terms & Conditions, which may be viewed at [www.phenomenex.com/TermsAndConditions](http://www.phenomenex.com/TermsAndConditions).

**Trademarks**

Verex is a trademark of Phenomenex, Inc.  
WISP is a trademark, and Waters is a registered trademark of Waters Corporation.  
Thermo Scientific is a registered trademark of Thermo Fisher Scientific Inc.  
Agilent is a registered trademark of Agilent Technologies Inc.  
PTFE and Teflon are registered trademarks of E.I. du Pont de Nemours and Co.  
All other trademarks belong to their respective owners.

**Disclaimer**

Phenomenex Inc. is in no way affiliated with Waters Corporation, Agilent Technologies, Thermo Fisher Scientific, E.I. du Pont de Nemours and Co., Chromocoll Ltd, J.G. Finneran Associates, Inc., Jamieson Scientific Inc., La-Pha-Pack, National Scientific, Restek Corp., SUN-SRI, Supelco, VWR, Carlo Erba Reagent, Shimadzu Corp., PerkinElmer Inc., Teledyne Tekmar, LEAP Technologies, Varian Inc., Beckman Coulter Inc., CTC Analytics, Dionex Corp., ESA Inc., Gerstel Inc., Hitachi, Ltd., JASCO Inc., Spark Holland, or Gilson Inc.  
Comparative separations may not be representative of all applications.