

WHERE TO FIND PRODUCTIVITY TOOLS FOR YOUR LABORATORY!

## Inserts for Low Volume Samples

These inserts allow liquid samples, with very small volumes, to be accurately injected into your instrument with minimal evaporation or loss of sample due to the low "residual volume" or adsorption to the insert walls. Available in RSA™ reduced surface activity glass, RSA-Pro™ (most popular) surface treated reduced surface activity glass and polypropylene. Bottom depths, heights, and bottom interiors are designed and QC controlled for maximum recovery and needle safety.

- » Good choice for low volume samples
- » Plastic inserts are manufactured with ultra-pure, LCMS, medical grade polypropylene
- » Compare RSA™ glass inserts to TruView inserts
- » Excellent dimensional tolerance control for best reproducibility of injections



Quick Terms to Search on our Website:  
[#Bestinclassinserts](#)



Precision  
Point  
Reliability

Low Volume Inserts  
Range of Types & Volumes

## High Pressure PEEK Tubing

This PEEK tubing is extruded from virgin PEEK made by Victrex®. No additives in the original PEEK material except for color particles in the solid-color tubing. Various lengths and custom cuts available.

Three types of PEEK tubing available:

- » Standard, solid color PEEK tubing
- » Extruded striped color indicating PEEK tubing which does not contaminate your sample
- » Super-T™ PEEK tubing for greatest concentricity and superior flow

Quick Terms to Search on our Website:  
[#PEEK](#)



## Fused Insert™ Vials

These vials have an insert that is fused into the glass. The insert sits slightly above the top lip of the vial and this unique feature allows for a near perfect seal with the cap's septum.

- » Available in AQ™ brand and RSA™ brand. Vials sold separately or in a kit
- » Vials do not suffer from cracking at the fused point
- » Wide tip fused inserts available to reduce bubble formation



Quick Terms to Search on our Website:  
[#Fusedinsert](#)

## Polypropylene 12 x 32 mm Vials

2 mL, plastic vials made with virgin polypropylene. These vials are an excellent choice for Ion Chromatography, CE, Bio-analysis, or PFAS testing.

- » Minimal interaction with vial walls and hydrophilic compounds
- » Complete with graduations and fill lines
- » Use instead of glass vials
- » Economical



Quick Terms to Search on our Website:  
[9502S-PP-CLEAR](#)

## COGENT ABX™

### Improved Stability HPLC Columns from pH 1-12

C18 columns for use with high pH mobile phase, extreme acids, or bases in reversed phase.

- » Free R&D and technical support for lifetime of the column
- » Available in guard, analytical and preparative sizes
- » DEMO Columns available to qualified scientists

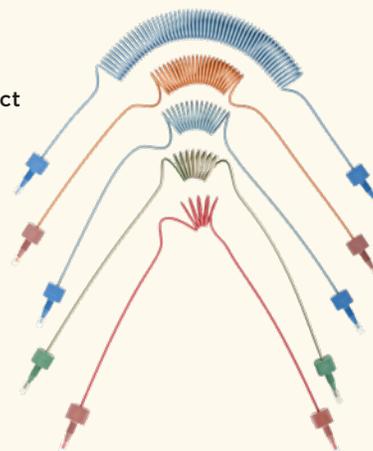


Quick Terms to Search on our Website:  
[C18 ABX](#)

## FlexiTube™

Coiled PEEK tubing that will expand and contract like a phone cord.

- » Space saving
- » Pulse dampener effect
- » Economical
- » Keep organized



Quick Terms to Search on our Website:  
[#FlexiTube](#)

## "THE HYDRIDES"

### HPLC Columns for Polar Compounds – Not HILIC

Hydride columns are excellent for separation of polar compounds. The Diamond Hydride includes a very small amount of bonded carbon, and the Phenyl Hydride includes a bonded butyl-phenyl ligand. These columns are extremely stable with unique separation capabilities.

- » Better than HILIC
- » A first choice for LCMS when analyzing polar compounds
- » Uses lower salt buffers – protect your LCMS
- » Very popular in metabolomics

Quick Terms to Search on our Website:  
[Diamond Hydride](#)  
[Phenyl Hydride](#)



## PROTECT YOUR COLUMN



### Cogent Column Filters

Protect HPLC Columns economically

- » Works up to 4,500 psi
- » Easily replaceable

Catalog No. 49650-005

Quick Terms to Search on our Website:  
[Cogent Column Filters](#)



## 4 mm Syringe Filters

Use 4 mm Syringe Filters for sample sizes less than 1 mL and when minimal residual volumes are needed. Available in many different membrane types.

- » Color coded for pore size and membrane
- » Polypropylene housing
- » Free samples available



Quick Terms to Search on our Website:  
[4mm Filters](#)

## Mobile Phase Bottles for HPLC - Safety Coated

MicroSolv mobile phase safety coated glass bottles are a must for every laboratory that has a HPLC.

- » Full range of sizes available — 1 L to 10 L
- » Plastic coated to contain broken glass and solvent if dropped
- » Compatible with most HPLC mobile phase delivery systems



Quick Terms to Search on our Website:  
[Safety Bottles](#)

## The Vial Centrifuge™

The High-speed Vial Centrifuge™ with a specially designed rotor, cushions, and adapters.

- » 8 cushions and adapters
- » Use approved 12 x 32 mm heavy wall glass autosampler vials, included with purchase
- » Replacement vials available in borosilicate, RSA™ or RSA-Pro X™ types of glass



Quick Terms to Search on our Website:  
[Vial Centrifuge](#)

## Column Couplers

Join two HPLC columns or a guard column in series with an analytical column.

- » Universal fitting
- » All Super-T™ PEEK tubing
- » Tight tolerance concentricity tubing



Quick Terms to Search on our Website:  
[#Couplers](#)

## Mobile Phase Delivery System Cap

Ensure your mobile phase is not contaminated with reabsorbed CO2 and oxygen, and comply with HPLC GLP requirements. Keeping these polyethylene screw caps on the bottles with the tubing through-holes prevents dust and dirt from getting in and minimizes outgassing and absorption of atmospheric gases.

- » Insert is medical grade PTFE
- » GL45 Threads
- » Autoclavable



Quick Terms to Search on our Website:  
[58820-06](#)

# RSA<sup>TM</sup> Family of Vials, Caps and Inserts

Don't be fooled by imitators. These autosampler vials with reduced surface activity are premium quality products and the first choice for labs that require accurate and precise chromatographic results.

- » Meets or exceeds all instrument specifications
- » Use for LCMS, LCMS/MS, low abundance & basic analytes
- » RSA-Pro X surface treatment - Great for proteins, hydrophobic molecules

» Strict batch to batch QC



What is RSA<sup>TM</sup> Glass?

Quick Terms to Search on our Website:

[RSA Family](#)

Great for  
Low Dosage  
Pharmaceuticals



## PEEK Column Hardware

All the ARE-Applied Research brand PEEK HPLC column hardware is extruded from Victrex<sup>®</sup> PEEK for maximum reproducibility and the finest chromatography. There are no other chemical or physical treatments added to the material, making these columns biocompatible. Complete sets include the column body, frits, end fittings, and end plugs. 7.5 mm ID columns include frit spacers.

- » 2.1 mm ID, 4.6 mm ID and 7.5 mm ID columns available
- » Inquire for custom lengths
- » Column packing hardware available

Quick Terms to Search on our Website:

[#PEEKColumns](#)



## The Window Maker<sup>TM</sup>

Remove polyimide from coated tubing for GC, fiber optics, or CE capillaries to make a detection window. Remove a 2 mm section without weakening the capillary which can happen if you use flame, harsh chemicals or other means.

- » Supplied with 2 mm module, other sizes sold separately
- » Easy to operate
- » Precise temperature to remove polyimide

Quick Terms to Search on our Website:

[Window Maker](#)



ONLY FROM

MICRO<sup>SOLV</sup>  
TECHNOLOGY CORPORATION

Greater Wilmington, NC  
phone: 1.732.380.8900  
fax: 1.910.769.9435