

The Quickest Route Through Chromatography Obstacles



Your Solutions

✘ You are losing analytes and time when using four separate products!

Using separate syringes, syringe filters, vials, and cap/septa requires multiple steps, extra time, and may result in loss of analytes due to sample transfer.

✔ Use Verex filter vials to reduce sample loss and contamination by eliminating multiple transfers with this all-in-one filtration device.

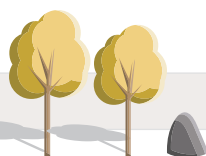


Scan Here

www.phenomenex.com/accessorize

Verex Filter Vials

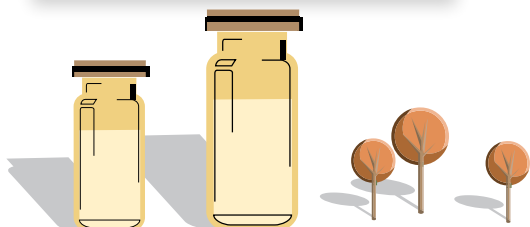
- All-in-one sample prep solution that combines sample storage, transfer, and filtration
- Eliminates the need for separate syringes, syringe filters, vials, and cap/septa
- Reduces lab waste and simplifies workflow
- Identifiable colored caps to easily find the correct membrane and pore size
- Standard 12 x 32mm vial that can be directly loaded into the autosampler
- Simply dispense your sample and filter!



✘ Your results are irreproducible and you notice some extra peaks!

Variation in autosampler vial glass quality can adversely affect your chromatography, leading to mystery peaks, loss of analytes, and irreproducible results.

✔ Use Verex HPLC/GC vials which are made of inert, high-purity, chemically-stable borosilicate glass and are cleanroom packaged to ensure more reproducible results.



Verex Vials Come in a Wide Variety:

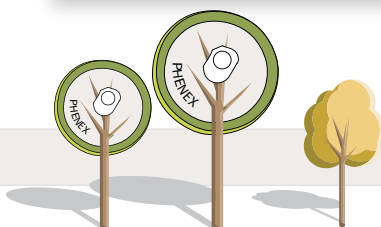
- 33-expansion clear glass (USP Type 1 borosilicate, Class A) and 51A-expansion amber glass (USP Type 1 borosilicate, Class B)
- Polypropylene for biocompatibility
- Silanized (deactivated) glass
- Limited volume (high sample recovery) vials
- Certified and special MS-certified



✘ LC system pressure is rising with no end in sight; you wonder if you can finish your separations before your system pressures out!

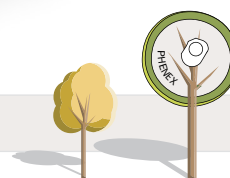
An unexpected rise in back pressure is often due to particulates present in the sample such as contaminants, interferences, or undissolved particles.

✔ Simply filter samples through a suitable Phenex syringe filter prior to analysis and remove unwanted contaminants.



Phenex Syringe Filters

- Particulate, PVC, and extractable-free filters
- Rapid filtration of LC and GC samples prior to analysis
- Increased column lifetime and less system downtime
- No method development for quick and easy sample preparation



LC Solutions

SecurityLINK[∞]
UHPLC Connections in a Click

✘ You are experiencing broader LC peaks than expected.

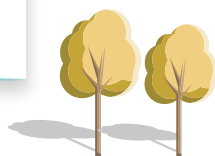
When using a traditional nut and ferrule fitting system, you cannot ensure that the base of the tubing used is sitting flush against the inlet of the column. This subsequently contributes to increased dead-volume of the system and leads to peak broadening.

✔ SecurityLINK fingertight connections automatically self-adjusts to any column inlet depth to ensure a zero dead-volume connection.

This will have an immediate impact on increased peak efficiency and reduction in peak asymmetry on your HPLC/ UHPLC instrumentation.

SecurityLINK Fittings:

- No tools required for quick and easy installation
- Fitting self-adjusts at column inlet to ensure zero dead-volume for better chromatographic results
- Torque limiting technology prevents system and column port damage
- UHPLC and HPLC compatibility: pressure rated to 19,000 psi (1,310 bar)



✘ High LC back pressure, split peaks, baseline noise, baseline drift, or loss of resolution.

Chemical contaminants may be clogging your frits, binding to your column, degrading your performance, and damaging the LC flow cell.

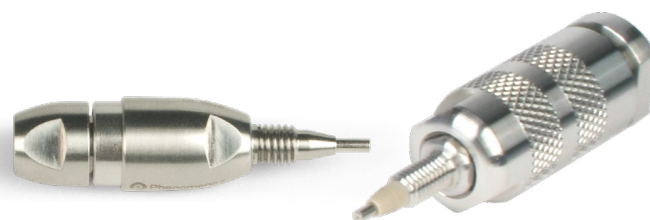
✔ SecurityGuard universal guard cartridges are designed to effectively (and cost-effectively) protect your columns and system from the damaging effects of chemical contaminants, without altering your chromatographic results.

SecurityGuard universal guard cartridges can fingertighten into virtually any manufacturer's columns.

SecurityGuard[™]

SecurityGuard Universal Guard Cartridges:

- Protect HPLC and UHPLC columns and extend lifetime
- Virtually no change in chromatography
- Available in analytical, semi-prep, and preparative sizes
- Simple to use



GC Solutions

✘ Unstable GC baseline, tailing peaks, or column bleed.

Contaminants within the carrier gas can cause a large range of issues that will directly affect your performance.

✔ Protect your GC instruments by effectively removing contaminants from carrier gas with Zebron gas management filters and click-on traps.

This reduces potential problems related to gas purity, column bleed, and will increase your GC column's lifetime.

Zebron Gas Management:

- Deliver clean gas for accurate analysis
- Reduce the risks of column damage, sensitivity loss, and instrument downtime
- Easy-to-install and easy-to-replace gas filters and click-on traps
- Zebron electronic indicator with an audible notification to alert you when to change your filter and trap



Zebron Click-on Gas Trap

Zebron™
Gas Management



Zebron Gas Filter

Zebron™ PLUS

✘ You are using an inert column for your analysis, but you still see peak tailing!

The liner is the first place of potential analyte interaction during GC analysis, and it is important that your analytes are not adsorbed.

✔ Zebron GC inlet liners undergo a unique deactivation process, resulting in a remarkably inert pathway that prevents sample adsorption and degradation for active compounds.

Zebron™
GC Inlet Liners

Zebron PLUS GC Inlet Liners:

- Manufactured with a thick layer of vapor-deposited deactivation for the highest inertness
- Eliminate contamination that may occur during the installation process
- Packed with quartz wool to help prevent non-volatile compounds from entering the column and improve vaporization for a more robust, reproducible analysis
- Tested for activity using both EPA Methods 8081 and 8270 to ensure the highest level of sample protection possible



Sample Prep Solutions

✘ You are processing samples with a vacuum manifold, but it's not providing a reliable and consistent flow rate.

Flow rate is one of the most important factors in the loading and elution steps of solid phase extraction methods to ensure low variation between extractions. Vacuum manifolds use negative pressure to pull liquid through the sorbent from the bottom and flow is disrupted if one tube clears first.

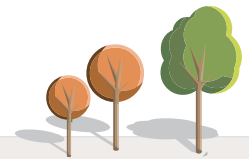
✔ Presston 1000 uses a restricted air flow system to ensure consistent flow rates.

Presston 1000 has both a low flow for typical samples and high flow option for very viscous samples, and it excels at providing a precise fine tune adjustment at the lower end of the pressure spectrum.

 **presston 1000**

Presston 1000 Positive Pressure Manifold:

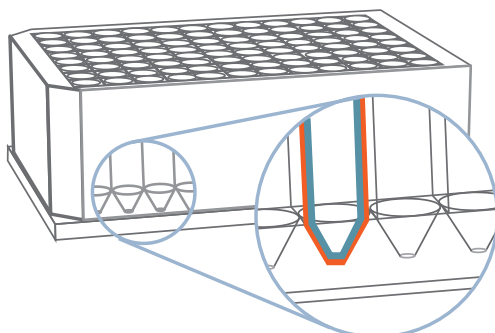
- Pneumatic handling
- Consistent flow rates for increased accuracy
- Safe and easy-to-use
- Compatible with standard 96-well plate formats including:



✘ Your labware selection is causing you to lose your protein recovery!

Proteins and peptides are sticky biomolecules that have an affinity to polypropylene which can result in a lower recovery.

✔ Utilizing glass-lined low-bind 96-well collection plates saves your recovery and sensitivity for your analysis.



 **strata**TM
Solid Phase Extraction

Strata Low-Bind 96-Well Collection Plates for Biological Analysis:

- Provides high recovery of proteins and peptide by reducing sample loss
- Available as 120/pk for high throughput biological sample processing
- Part of a full Strata well plate portfolio

 Lab Product

 Glass Lined Coating/Treatment

Ordering Information

Verex™ Filter Vials

Description	Pore Size (µm)	Part No.	Unit
RC	0.2	ARO-F103-12	100/pk
(Regenerated Cellulose)	0.45	ARO-F203-12	100/pk
PTFE	0.2	ARO-F102-12	100/pk
(Polytetrafluoroethylene)	0.45	ARO-F202-12	100/pk
NY	0.2	ARO-F107-12	100/pk
(Nylon)	0.45	ARO-F207-12	100/pk
PES	0.2	ARO-F108-12	100/pk
(Polyethersulfone)	0.45	ARO-F208-12	100/pk
PVDF	0.2	ARO-F106-12	100/pk
(Polyvinylidene Fluoride)	0.45	ARO-F206-12	100/pk

Phenex™ Syringe Filters

Description	Pore Size (µm)	Diameter (mm)	Membrane Material	Part No.	Unit
PTFE, Non-Sterile	0.45	25	Luer/Slip	AF0-1102-52	500/pk
NY, Non-Sterile	0.45	25	Luer/Slip	AF0-1107-52	500/pk
PES, Non-Sterile	0.45	28	Luer/Slip	AF0-8108-52	500/pk

Strata™ Low-Bind Collection 96-Well Plate

Description	Part No.	Unit
2 mL Conical Bottom, Round Well, Low Bind	AH1-7036	120/Pk

SecurityLINK™ HPLC/UHPLC Fingertight Fittings

Double-Sided 10-32 Fittings with 1/16 in. OD tubing, 100 µm ID

PEEKsil™			PEEK-Lined Stainless Steel			Stainless Steel		
Part No.	Length (mm)	Unit	Part No.	Length (mm)	Unit	Part No.	Length (mm)	Unit
AJ1-2411	100	ea	AJ1-3421	150	ea	AJ1-1421	150	ea
AJ1-2421	150	ea	AJ1-3441	250	ea	AJ1-1441	250	ea
AJ1-2441	250	ea	AJ1-3461	350	ea	AJ1-1461	350	ea
AJ1-2471	500	ea	AJ1-3471	500	ea	AJ1-1471	500	ea
AJ1-24A1	1000	ea	AJ1-3481	600	ea	AJ1-1481	600	ea

SecurityGuard™ Universal Guard Cartridges

Description	Part No.	Unit
HPLC Guard Cartridge Kit	KJ0-4282	ea
Cartridges, C18 4 x 3.0mm ID, 10/pk	AJ0-4287	ea
Cartridges, C18 4 x 2.0mm ID, 10/pk	AJ0-4286	ea

Zebtron™ Gas Management Filters

Description	Part No.	Unit
Gas Filter Universal	AG6-1040	ea
Gas Filter Universal (Helium)	AG6-1070	ea
Gas Filter Oxygen	AG6-1010	ea
Gas Filter Moisture	AG6-1020	ea
Gas Filter Hydrocarbon	AG6-1030	ea
Gas Filter Hydrocarbon/Moisture for LC-MS	AG6-1050	2/pk
Ring Nut for Gas Filter	AG6-1060	ea

Verex Vials

Description	Glass Type	Part No.	Unit
Screw Top, 10 mm, 2 mL, w/ Patch	Clear	ARO-3010-13	1000/pk
	Amber	ARO-3011-13	1000/pk
Snap Top, 2 mL, w/ Patch	Clear	ARO-3610-13	1000/pk
	Amber	ARO-3611-13	1000/pk
Crimp Top, Standard Opening, 2 mL, w/ Patch	Clear	ARO-3710-13	1000/pk
	Amber	ARO-3711-13	1000/pk

Presston™ 1000 Positive Pressure Manifold

Description	Part No.	Unit
Presston 1000 Positive Pressure Manifold	AH1-7033	ea



Phenomenex warrants the Presston 1000 will be free of defects in materials and workmanship under normal installation, use, and maintenance for a period of 12 months following delivery.

Please visit www.phenomenex.com/Presstonwarranty for complete warranty information.

Additional part numbers are available
online for all accessories!
www.phenomenex.com/accessorize

SecurityGuard ULTRA Cartridge Holder

Description	Part No.	Unit
ULTRA GUARD Cartridge Holder, Ea	AJ0-9000	ea
ULTRA Cartridges, UHPLC C18 2.1 mm ID, 3/pk	AJ0-8782	ea
ULTRA Cartridges, UHPLC C18 3.0 mm ID, 3/pk	AJ0-8775	ea
ULTRA Cartridges, UHPLC C18 4.6 mm ID, 3/pk	AJ0-8768	ea

Zebtron Gas Management Traps

Description	Part No.	Unit
Click-on Universal Trap	AG6-3140	ea
Click-on Oxygen Trap	AG6-3110	ea
Click-on Moisture Trap	AG6-3120	ea
Click-on Hydrocarbon Trap	AG6-3130	ea
Click-on Carbon Dioxide Trap	AG6-3150	ea

Zebtron PLUS GC Liners

For Agilent® and Thermo Scientific® GC Systems; Split / Splitless, 4 x 78.5 mm, PLUS Inert

Description	Part No.	Unit
Single Taper	AG2-0A10-01	Ea
	AG2-0A10-05	5/pk
	AG2-0A10-25	25/pk
Single Taper Z-Liner™	AG2-0A13-01	Ea
	AG2-0A13-05	5/pk
	AG2-0A13-25	25/pk
Single Taper with Wool	AG2-0A11-01	Ea
	AG2-0A11-05	5/pk
	AG2-0A11-25	25/pk
Straight	AG2-0A00-01	Ea
	AG2-0A00-05	5/pk
	AG2-0A00-25	25/pk
Straight Z-Liner	AG2-0A03-01	Ea
	AG2-0A03-05	5/pk
	AG2-0A03-25	25/pk

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

The Quickest Route Through Chromatography Obstacles



Australia

t: +61 (0)2-9428-6444
auinfo@phenomenex.com

Austria

t: +43 (0)1-319-1301
anfrage@phenomenex.com

Belgium

t: +32 (0)2 503 4015 (French)
t: +32 (0)2 511 8666 (Dutch)
beinfo@phenomenex.com

Canada

t: +1 (800) 543-3681
info@phenomenex.com

China

t: +86 400-606-8099
cninfo@phenomenex.com

Czech Republic

t: +420 272 017 077
cz-info@phenomenex.com

Denmark

t: +45 4824 8048
nordicinfo@phenomenex.com

Finland

t: +358 (0)9 4789 0063
nordicinfo@phenomenex.com

France

t: +33 (0)1 30 09 21 10
franceinfo@phenomenex.com

Germany

t: +49 (0)6021-58830-0
anfrage@phenomenex.com

Hong Kong

t: +852 6012 8162
hkinfo@phenomenex.com

India

t: +91 (0)40-3012 2400
indiainfo@phenomenex.com

Indonesia

t: +62 21 5010 9707
indoinfo@phenomenex.com

Ireland

t: +353 (0)1 247 5405
eireinfo@phenomenex.com

Italy

t: +39 051 6327511
italiainfo@phenomenex.com

Japan

t: +81 (0) 120-149-262
jpinfo@phenomenex.com

Luxembourg

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

Mexico

t: 01-800-844-5226
tecnicomx@phenomenex.com

The Netherlands

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

New Zealand

t: +64 (0)9-4780951
nzinfo@phenomenex.com

Norway

t: +47 810 02 005
nordicinfo@phenomenex.com

Poland

t: +48 22 104 21 72
pl-info@phenomenex.com

Portugal

t: +351 221 450 488
ptinfo@phenomenex.com

Singapore

t: +65 800-852-3944
sginfo@phenomenex.com

Slovakia

t: +420 272 017 077
sk-info@phenomenex.com

Spain

t: +34 91-413-8613
espinfo@phenomenex.com

Sweden

t: +46 (0)8 611 6950
nordicinfo@phenomenex.com

Switzerland

t: +41 (0)61 692 20 20
swissinfo@phenomenex.com

Taiwan

t: +886 (0) 0801-49-1246
twinfo@phenomenex.com

Thailand

t: +66 (0) 2 566 0287
thaiinfo@phenomenex.com

United Kingdom

t: +44 (0)1625-501367
ukinfo@phenomenex.com

USA

t: +1 (310) 212-0555
info@phenomenex.com

🌐 All other countries/regions

Corporate Office USA
t: +1 (310) 212-0555
info@phenomenex.com



www.phenomenex.com

Phenomenex products are available worldwide. For the distributor in your country/region, contact Phenomenex USA, International Department at international@phenomenex.com

Terms and Conditions

Subject to Phenomenex Standard Terms and Conditions, which may be viewed at www.phenomenex.com/TermsAndConditions.

Trademarks

Strata, β -Gone, Impact, Novum, Phree, Clarity, Verex, Phenex, SecurityLINK, SecurityGuard, Zebtron, Z-Liner, Preston, and BE-HAPPY are trademarks of Phenomenex. PEEKsil is a trademark of SGE International Pty. Ltd. Agilent is a registered trademark of Agilent Technologies, Inc. Thermo Scientific is a registered trademark of Thermo Fisher Scientific, Inc.

Disclaimers

Phenomenex is not affiliated with Agilent Technologies, Inc. or Thermo Fisher Scientific, Inc.

FOR RESEARCH USE ONLY. Not for use in clinical diagnostic procedures.

© 2022 Phenomenex, Inc. All rights reserved.