



ORDERING INFORMATION

Orders can be placed by -
Post, Phone, Email or Online

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SiliaPrep™ and SiliaPrepX™

Silica-Based and Polymeric
SPE Cartridges and Well Plates



YOUR GLOBAL SCIENCE PARTNER



SiliaPrep™: Silica-Based SPE Cartridges and Well Plates

Benefits of using SiliaPrep SPE Cartridges and Well Plates:

- Wide variety of sorbents: all our SiliaBond (high-quality functionalized silica gels) are available in SPE format.
- Tight particle size distribution and very good packing with no fines, allowing excellent separation.
- High recovery and yield.
- Less time and solvent required for conditioning the sorbent.
- Reproducible flow rates lot-to-lot.
- Excellent storage qualities.



Solid-phase extraction (SPE) is designed for rapid sample preparation and purification prior to chromatographic analysis.

You can meet your specific purification needs by using SiliCycle SiliaPrep silica-based SPE Cartridges and Well Plates: high purity samples, reduced number of false positives in screenings, high quality data.

SiliaPrep products are available in 3 formats:

- SPE cartridges
- 48 & 96-Well Plates

(Well Plates are used in high throughput drug discovery and screening, metabolic pharmacokinetic applications and for automated methods such as multiprobe approaches.)

All our UltraPure silica gels SiliaFlash and functionalized silica gels SiliaBond are available in SPE formats, in bed weights up to 10 grams (>10 g are also available in SiliaSep OT formats).

Sorbent Specifications & Custom Sorbents

SiliaPrep products are packed with SiliCycle fines-free SiliaFlash UltraPure silica gels, providing superior performance for all types of applications (*thanks to the narrow particle size distribution and the high purity*).

Standard products included in this catalog are made of SiliaFlash F60 (40-63 μm , 60 Å). But **custom products are available with any type of silica offered by SiliCycle (irregular, spherical and IMPAQ, in various pore and particle sizes) and in any format.** Contact us for more information.

Cartridge Specifications & Custom Cartridges

Standard SiliaPrep cartridges are made with flanged polypropylene (PP) tubes and 20 μm polyethylene (PE) frits.

Other plastic materials (Teflon®, HDPE, etc.), frit porosity (10 μm) and cartridge rim's (flangeless) are available on a custom order basis.



Formats available for SiliaPrep and SiliaPrepX:

- SPE Cartridges (50 mg to 100 g)
- Mini-SPE Cartridges – used with a syringe (300 mg to 1 g)
- 48 and 96-Well Plates (10 mg to 100 mg)
- Micro-SPE – Tips (30 µg to 400 µg)



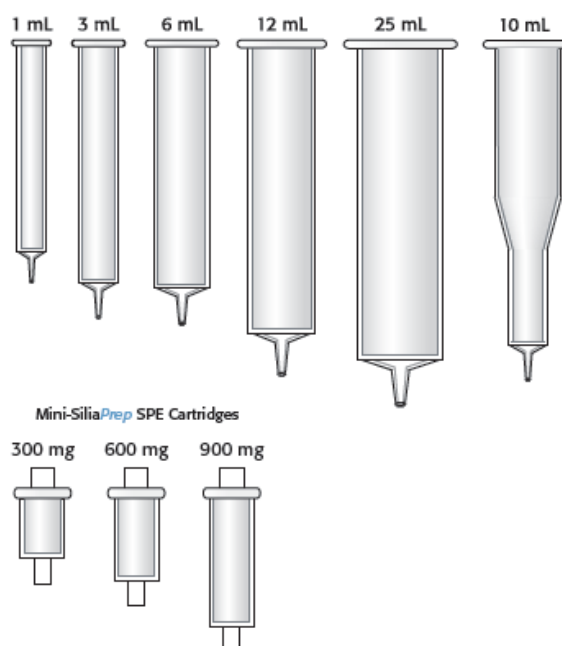
Why Using SiliaPrep & SiliaPrepX Products

By using our products you will generate higher purity samples and reduce the number of false positives in your screening, resulting in higher quality data. All our SPE cartridges are packed with sorbents made of our fine-free SiliaFlash silica gel which has the highest purity on the market. When you use SiliCycle's SPE we guarantee the following:

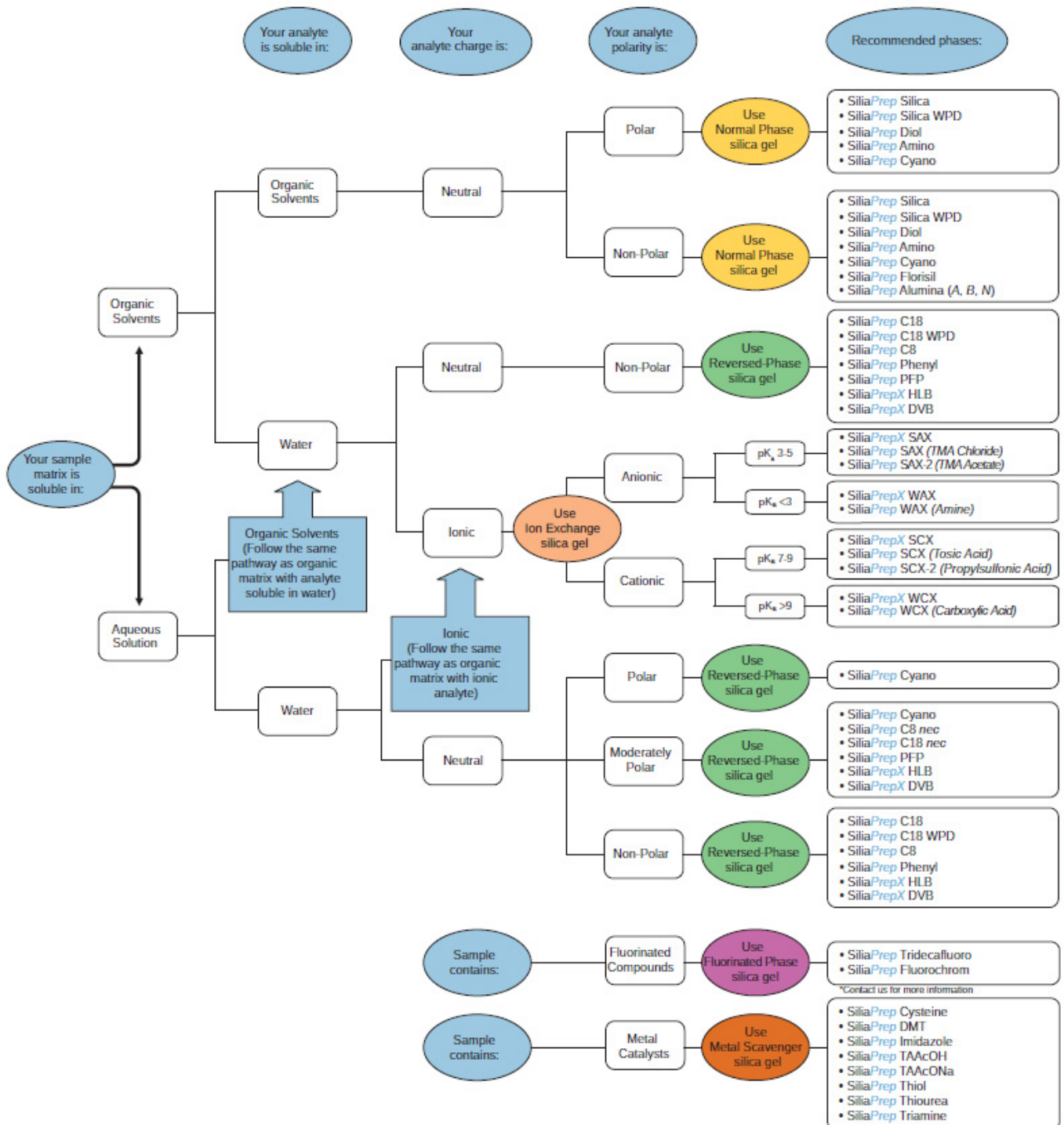
- High quality and wide variety of SiliaBond sorbents available
- Excellent separation (very tight particle size distribution and no fines)
- High recoveries and yields
- No needle clogging
- Less time and solvent spent conditioning the sorbent
- No silica, plastic, or grease contamination of your final product
- Lot-to-lot reproducible results

SiliCycle SPE Cartridges Sizes

We can provide a complete range of SPE cartridge lengths and diameters. Please note we also offer flanged and flangeless cartridges.



Product Selection Guide by Sample Properties



« I had a difficult time purifying a compound having a basic center by the conventional chromatography on silica gel. Then, I could purify the compound quickly and cleanly with the SiliaPrep SCX cartridge. »

Sangdon Han, Ph.D. from Arena Pharmaceuticals,
San Diego, CA, USA

Product Selection Guide by Technical Characteristics

Product Selection Guide by Technical Characteristics								
SiliaPrep / SiliaPrepX	Product Number	Particulate Size (μm)	Pore Size (\AA)	Surface Area (m^2/g)	Carbon Load (%)	End Capping	Ionic Capacity (meq/g)	pH Stability
Silica-Based Non Polar Phases								
SiliaPrep C18 Plus (17%)	SPE-R00830B-xxx	40 - 63	60	500	17	Proprietary	-	3 - 8
SiliaPrep C18 (17%)	SPE-R31930B-xxx	40 - 63	60	500	17	Yes	-	3 - 8
SiliaPrep C18 nec (17%)	SPE-R35530B-xxx	40 - 63	60	500	17	No	-	3 - 8
SiliaPrep C18 WPD	SPE-R33229G-xxx	37 - 55	125	300	13	Yes	-	3 - 8
SiliaPrep C8	SPE-R31030B-xxx	40 - 63	60	500	12	Yes	-	3 - 8
SiliaPrep C8 nec	SPE-R31130B-xxx	40 - 63	60	500	12	No	-	3 - 8
SiliaPrep Phenyl	SPE-R34030B-xxx	40 - 63	60	500	9	Yes	-	3 - 8
SiliaPrep PFP	SPE-R67530B-xxx	40 - 63	60	500	11	Yes	-	3 - 8
Silica-Based Polar Phases								
SiliaPrep Cyano	SPE-R38030B-xxx	40 - 63	60	500	7	Yes	-	3 - 8
SiliaPrep Silica	SPE-R10030B-xxx	40 - 63	60	500	0	-	-	3 - 8
SiliaPrep Silica WPD	SPE-R10029G-xxx	37 - 55	125	300	0	-	-	3 - 8
SiliaPrep Diol nec	SPE-R35030B-xxx	40 - 63	60	500	8	No	-	3 - 8
SiliaPrep Florisil	SPE-AUT-0014-xxx	75 - 150	100	250	-	-	-	3 - 8
SiliaPrep Florisil PR	SPE-AUT-0015-xxx	150 - 250	100	200	-	-	-	3 - 8
SiliaPrep Alumina Acidic	SPE-AUT-0053-xxx	75 - 150	55 - 90	150 - 320	-	-	-	3 - 8
SiliaPrep Alumina Neutral	SPE-AUT-0054-xxx	75 - 150	55 - 90	150 - 320	-	-	-	3 - 8
SiliaPrep Alumina Basic	SPE-AUT-0055-xxx	75 - 150	55 - 90	150 - 320	-	-	-	3 - 8
Silica-Based Ion Exchange Phases								
SiliaPrep SAX nec	SPE-R66530B-xxx	40 - 63	60	500	10	No	1.1	3 - 8
SiliaPrep SAX-2 nec	SPE-R66430B-xxx	40 - 63	60	500	9	No	1.0	3 - 8
SiliaPrep Carbonate	SPE-R66030B-xxx	40 - 63	60	500	6	Yes	0.6	3 - 8
SiliaPrep WAX	SPE-R52030B-xxx	40 - 63	60	500	7	Yes	1.6	3 - 8
SiliaPrep SCX	SPE-R60530B-xxx	40 - 63	60	500	9	Yes	0.7	3 - 8
SiliaPrep SCX-2	SPE-R51230B-xxx	40 - 63	60	500	5	Yes	0.7	3 - 8
SiliaPrep WCX	SPE-R70030B-xxx	40 - 63	60	500	7	Yes	1.2	3 - 8
Silica-Based Mixed-Mode and Specialty Phases								
SiliaPrep C8/SAX-2 nec	SPM-R026630B-xxx	40 - 63	60	500	11	Proprietary	-	3 - 8
SiliaPrep SCX-2/SAX nec	SPM-R802830B-xxx	40 - 63	60	500	7	Proprietary	-	3 - 8
SiliaPrep PCB nec	SP2-R00650030B-xxx	40 - 63	60	500	3	Proprietary	-	3 - 8
SiliaPrep CleanDRUG	SPEC-R651230B-xxx	40 - 63	60	500	9	Proprietary	-	3 - 8
SiliaPrep CleanENVI	SPEC-R31930B-xxx	40 - 63	60	500	19	Proprietary	-	3 - 8
Polymeric Phases								
SiliaPrepX HLB	SPE-P0002-xxx	40	110	850	88	-	-	1 - 14
SiliaPrepX DVB	SPE-P0001-xxx	85	60	950	90	-	-	1 - 14
SiliaPrepX SAX	SPE-P0010-xxx	85	60	900	85	-	0.30	1 - 14
SiliaPrepX WAX	SPE-P0020-xxx	85	60	800	86	-	0.50	1 - 14
SiliaPrepX SCX	SPE-P0005-xxx	85	60	800	80	-	1.00	1 - 14
SiliaPrepX WCX	SPE-P0015-xxx	85	60	800	85	-	0.70	1 - 14

All SiliaPrepX products also available in 45 μm . Contact us for more information.

Product Selection Guide by Manufacturer

Product Selection Guide by Manufacturer	
SiliCycle Silica-Based Non Polar SPE Phases	Alternative to:
SiliaPrep C18 Plus (17%)	Bond Elut® C18 (Agilent); ISOLUTE® C18 (EC) (Biotage); CHROMABOND® C18 ec (Macherey Nagel); Strata® C18-E (Phenomenex); Sep-Pak® tC18 (Waters); Discovery® DSC-18 (Supelco); Supelclean™ ENVI-18 (Supelco); Supelclean™ LC-18; CLEAN-UP® C18 (UCT); BAKERBOND® C18 (J.T. Baker); BAKERBOND® C18 PolarPlus
SiliaPrep C18 nec (17%)	Bond Elut® C18 OH; ISOLUTE® C18; CHROMABOND® C18; Strata® C18-U; HyperSep™ C18 (Thermo Scientific); CLEAN-UP® C18U; BAKERBOND® C18 Light Load
SiliaPrep C18 WPD	Bond Elut® C18 EWP; ISOLUTE® MFC18; CHROMABOND® C18 ec f; Strata® C18-T; Sep-Pak® C18; Discovery® DSC-18Lt
SiliaPrep C8	Bond Elut® C8; ISOLUTE® C8 (EC); Strata® C8; Sep-Pak® C8; Discovery® DSC-8; Supelclean™ ENVI-8; Supelclean™ LC-8; CLEAN-UP® C8; BAKERBOND® C8
SiliaPrep C8 nec	ISOLUTE® C8; CHROMABOND® C8; HyperSep™ C8; CLEAN-UP® C8U
SiliaPrep Phenyl	Bond Elut® Phenyl; ISOLUTE® PH; CHROMABOND® C6H5; Strata® Phenyl; Discovery® DSC-Ph; Supelclean™ LC-Ph; HyperSep™ Phenyl; CLEAN-UP® Phenyl; BAKERBOND® Phenyl (C6H6)
SiliCycle Silica-Based Polar SPE Phases	Alternative to:
SiliaPrep Cyano	Bond Elut® Cyano (CN); ISOLUTE® CN; CHROMABOND® CN; Strata® Cyano (CN); Sep-Pak® Cyano Propyl (CN); Discovery® DSC-CN; Supelclean™ LC-CN; HyperSep™ Cyano; CLEAN-UP® Cyanopropyl; BAKERBOND® Cyano (CN)
SiliaPrep Silica	Bond Elut® Si; ISOLUTE® Si; CHROMABOND® SiOH; Strata® Silica; Discovery® DSC-Si; Supelclean™ LC-Si; HyperSep™ Silica; CLEAN-UP® Silica; BAKERBOND® Silica Gel (SiOH)
SiliaPrep Silica WPD	Sep-Pak® Silica
SiliaPrep Diol nec	Bond Elut® Diol (2OH); ISOLUTE® DIOL; CHROMABOND® OH (Diol); Sep-Pak® Diol; Discovery® DSC-Diol; Supelclean™ LC-Diol; HyperSep™ Diol; CLEAN-UP® Diol; BAKERBOND® Diol (COH-COH)
SiliaPrep Florisil & SiliaPrep Florisil PR	Bond Elut® Florisil; ISOLUTE® FL; CHROMABOND® Florisil®; Strata® Florisil® (FL-PR); Sep-Pak® Florisil®; Supelclean™ ENVI-Florisil®; Supelclean™ LC-Florisil®; HyperSep™ Florisil; CLEAN-UP® Florisil® PR; BAKERBOND® Florisil (Mg ₂ SiO ₃)
SiliaPrep Alumina (Acidic, Neutral, Basic)	Bond Elut® Alumina (-A, -N, -B); ISOLUTE® ALUMINA (AL-A, AL-N & AL-B); CHROMABOND® AlOx (A, N, B); Strata® Alumina-N (AL-N); Sep-Pak® Alumina (A, N, B); Supelclean™ LC-Alumina (A, N, B); CLEAN-UP® Alumina (ALA, ALN, ALB); BAKERBOND® Alumina, Neutral (Al ₂ O ₃)
SiliCycle Silica-Based Ion Exchange SPE Phases	Alternative to:
SiliaPrep SAX nec (TMA Chloride)	Bond Elut® SAX; ISOLUTE® SAX; CHROMABOND® SB; Strata® SAX; Sep-Pak® Accell™ Plus QMA; Discovery® DSC-SAX; Supelclean™ LC-SAX; HyperSep™ SAX; CLEAN-UP® QAX; BAKERBOND® Quaternary Amine
SiliaPrep SAX-2 nec (TMA Acetate)	ISOLUTE® PE-AX; CLEAN-UP® CAQAX
SiliaPrep Carbonate	ISOLUTE® Si-Carbonate (Si-TMA-CO ₃); Accell Plus QMA Carbonate Plus Light (Waters)
SiliaPrep WAX (Amine)	Bond Elut® NH ₂ ; ISOLUTE® NH ₂ ; CHROMABOND® NH ₂ ; Strata® NH ₂ ; Sep-Pak® Amino Propyl (NH ₂); Discovery® DSC-NH ₂ ; Supelclean™ LC-NH ₂ ; HyperSep™ Aminopropyl; CLEAN-UP® NAX; BAKERBOND® Amino (NH ₂)
SiliaPrep SCX (Tosic Acid)	Bond Elut® SCX; Bond Elut® PRS; ISOLUTE® SCX; ISOLUTE® SCX-3; CHROMABOND® SA; Strata® SCX; Discovery® DSC-SCX; HyperSep™ SCX; CLEAN-UP® BCX; BAKERBOND® Aromatic Sulfonic Acid

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Product Selection Guide by Manufacturer

SiliaPrep SCX-2 (Propylsulfonic Acid)	ISOLUTE® SCX-2; CHROMABOND® PSA; Supelclean™ LC-SCX
SiliaPrep WCX (Carboxylic Acid)	Bond Elut® WCX; Bond Elut® CBA; ISOLUTE® CBA; CHROMABOND® PCA; Strata® WCX; Sep-Pak® Accell™ Plus CM; Discovery® DSC-WCX; Supelclean™ LC-WCX; CLEAN-UP® CCX1; BAKERBOND® Carboxylic Acid (COOH)
SiliCycle Silica-Based Mixed-Mode and Specialty SPE Phases	Alternative to:
SiliaPrep C8/SAX-2 nec	Bond Elut® Certify II; ISOLUTE® HAX; CHROMABOND® Drug II; Strata® Screen-A; HyperSep™ Verify AX; CLEAN-UP® C8 + QAX; Clean Screen® THC (UCT)
SiliaPrep SCX-2/SAX nec	Bond Elut® AccuCAT
SiliaPrep PCB nec	Bond Elut® PCB; CHROMABOND® SA/SiOH; Supelclean™ Sulfoxide
SiliaPrep CleanDRUG	Bond Elut® Certify; ISOLUTE® HCX; CHROMABOND® Drug; Strata® Screen-C; Discovery® DSC-MCAX; HyperSep™ Verify CX; Clean Screen® DAU; BAKERBOND® Narc™-2
SiliaPrep CleanENVI	EnvirElut® (Agilent); ISOLUTE® PAH; CHROMABOND® C18 PAH; Strata® PAH
SiliCycle Polymeric SPE Phases	Alternative to:
SiliaPrepX HLB	Bond Elut® NEXUS; SampliQ OPT (Agilent); Strata™-X; Strata™-XL; Oasis® HLB (Waters); Supel™-Select HLB (Supelco)
SiliaPrepX DVB	Bond Elut® ENV; Bond Elut® Plexa; ISOLUTE® 101; ISOLUTE® ENV+; EVOLUTE® EXPRESS ABN; CHROMABOND® HR-X; Supelclean™ ENVI-Chrom P; HyperSep™ Retain PEP; STYRE SCREEN® DVB (UCT); BAKERBOND® SDB; BAKERBOND® H2O-Philic DVB
SiliaPrepX SAX	Bond Elut® Plexa PAX; SampliQ SAX; EVOLUTE® EXPRESS AX; CHROMABOND® HR-XA; CHROMABOND® PS-OH-; Strata™-X-A; Strata™-XL-A; Oasis® MAX; Supel™-Select SAX; HyperSep™ Retain AX; STYRE SCREEN® QAX; BAKERBOND® H2O-Philic SA-DVB
SiliaPrepX WAX	EVOLUTE® EXPRESS WAX; CHROMABOND® HR-XAW; CHROMABOND® Easy; CHROMABOND® HR-P; CHROMABOND® PS-RP; Strata™-X-AW; Strata™-XL-AW; Oasis® WAX
SiliaPrepX SCX	Bond Elut® Plexa PCX; SampliQ SCX; EVOLUTE® EXPRESS CX; CHROMABOND® HR-XC; CHROMABOND® PS-H+; Strata™-X-C; Strata™-XL-C; Oasis® MCX; Supel™-Select SCX; HyperSep™ Retain CX; STYRE SCREEN® BCX; BAKERBOND® H2O-Philic SC-DVB
SiliaPrepX WCX	Bond Elut® NEXUS WCX; EVOLUTE® EXPRESS WCX; CHROMABOND® HR-XCW; Strata™-X-CW; Strata™-XL-CW; Oasis® WCX; STYRE SCREEN® CCX

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