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Acchrom Tech

Acchrom Tech Columns and Sample Preparation Products Tab

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AlphaHybrid Columns

This column series utilizes a proprietary organic-inorganic hybrid silica particle technology. By embedding an organic framework and ethylene-bridged structure, it achieves high cross-linking density, delivering superior chemical stability, mechanical strength, and extended pH tolerance. Coupled with specialized surface bonding and end-capping techniques, it ensures outstanding chromatographic performance.

AlphaHybrid C18

P/N	Main Specifications	Description
H1146250515	4.6×250 mm, 5 μm, 150 Å	• Hybrid silica particles and unique bonding technology enhance chemical stability, delivering exceptional column lifetime even under high pH conditions. • High-performance hybrid particles and optimized structure design ensure outstanding durability of AlphaHybrid C18, maximizing cost-effectiveness. • Broad pH range (1-12) for greater method development flexibility.
H1146150515	4.6×150 mm, 5 μm, 150 Å	
H1146100515	4.6×100 mm, 5 μm, 150 Å	
H1146050515	4.6×50 mm, 5 μm, 150 Å	
H1146150315	4.6×150 mm, 3.5 μm, 150 Å	
H1146250712	4.6 ×250 mm, 7 μm, 120 Å	

Alphasil Columns

This column series is manufactured with ultra-pure spherical silica as the base matrix, utilizing proprietary bonding technology and precision packing processes. It delivers excellent selectivity, stability, and versatility to meet diverse analytical applications.

Alphasil ES Columns

With outstanding stability and extended lifetime, it's ideal choice for method development. The proprietary bonding and end-capping technologies significantly , delivering excellent peak shapes for acidic, basic, and neutral compounds.

Alphasil ES-C18

P/N	Main Specifications	Description
A4146250510	4.6×250 mm, 5 μm, 100 Å	•The Alphasil ES-C18 column delivers superior separation for most QC and R&D applications. Its advanced bonding and end-capping technology minimizes silanol activity, producing sharp peaks that boost both resolution and sensitivity. • Alphasil ES-C18 column maintains long-term stable performance across a broad pH range of 1 to 8, ensuring its durability and reliability. • Available in 5 μm,3.5 μm, and 2.5 μm particle Size columns. • Acchrom Tech can provide customized requirements for semi-preparative and preparative columns.
A4146150510	4.6×150 mm, 5 μm, 100 Å	
A4146250310	4.6×250 mm, 3.5 μm, 100 Å	
A4146150310	4.6×150 mm, 3.5 μm, 100 Å	
A4121150210	2.1×150 mm, 2.5 μm, 100 Å	
A4121100210	2.1×100 mm, 2.5 μm, 100 Å	
A4121050210	2.1×50 mm, 2.5 μm, 100 Å	
AP4110250510	10×250 mm, 5 μm, 100 Å	
AP4121250510	21.2×250 mm, 5 μm, 100 Å	

Alphasil VC Columns

The premier solution for routine HPLC separations, delivering excellent selectivity, peak shape, and stability. Tigh batch-to-batch reproducibility ensures data consistency.

Alphasil VC-C18

P/N	Main Specifications	Description
A1246250510	4.6×250 mm, 5 μm, 100 Å	• Alphasil VC-C18 - Classic reversed-phase columns offering outstanding value and exceptional longevity, ideal for analyzing non-polar to moderately polar compounds (acids, bases, and neutrals). Perfect for method screening and routine analysis. • Features classic bonding and proprietary end-capping technology to minimize silanol activity, delivering superior peak shapes and excellent batch reproducibility. • The pH range is 2-8, and it is widely used in the analysis and detection of samples in the pharmaceutical field. • Available in 2.5 μm, 3.5 μm, and 5 μm particle Sizes. • Acchrom Tech can provide customized requirements for semi-preparative and preparative columns.
A1246150510	4.6×150 mm, 5 μm, 100 Å	
A1246250310	4.6×250 mm, 3.5 μm, 100 Å	
A1246150310	4.6×150 mm, 3.5 μm, 100 Å	
A1246150210	4.6×150 mm, 2.5 μm, 100 Å	
A1230150210	3.0×150 mm, 2 .5 μm, 100 Å	
A1230100210	3.0×100 mm, 2.5 μm, 100 Å	
A1230050210	3.0×50 mm, 2.5 μm, 100 Å	
A1221150210	2.1×150 mm, 2.5 μm, 100 Å	
A1221100210	2.1×100 mm, 2.5 μm, 100 Å	
A1221050210	2.1×50 mm, 2.5 μm, 100 Å	
AP1210250510	10×250 mm, 5 μm, 100 Å	

Alphasil VC-C18(II)

P/N	Main Specifications	Description
A1246250512	4.6×250 mm, 5 μm, 120 Å	• Alphasil VC-C18 (II) second-generation product further optimizes the process and product parameters based on the first-generation product, significantly enhancing the column's tolerance. It has an outstanding service life for the detection of complex matrix samples.
A1246150512	4.6×150 mm, 5 μm, 120 Å	
A1246100512	4.6×100 mm, 5 μm, 120 Å	
A1246050512	4.6×50 mm, 5 μm, 120 Å	

Alphasil VC-C18AQ

P/N	Main Specifications	Description
A1346250510	4.6×250 mm, 5 μm, 100 Å	• Alphasil VC-C18AQ column is a reversed-phase C18 column that introduces polar groups through a polar embedding method. While ensuring the hydrophobic retention of the C18 bonded phase, it adds additional polar interactions, improving the retention and separation selectivity of polar compounds. • It also enhances the surface wettability of the packing, allowing it to withstand 100% aqueous phase conditions. It is suitable for the separation of polyhydroxy polar compounds. • Available in 2.5 μm and 5 μm particle Sizes.
A1346150510	4.6×150 mm, 5 μm, 100 Å	
A1346150210	4.6×150 mm, 2.5 μm, 100 Å	
A1330150210	3.0×150 mm, 2.5 μm, 100 Å	
A1330100210	3.0×100 mm, 2.5 μm, 100 Å	
A1330050210	3.0×50 mm, 2.5 μm, 100 Å	
A1321150210	2.1×150 mm, 2.5 μm, 100 Å	
A1321100210	2.1×100 mm, 2.5 μm, 100 Å	
A1321050210	2.1×50 mm, 2.5 μm, 100 Å	

Alphasil VC-HILIC

P/N	Main Specifications	Description
A1546250510	4.6×250 mm, 5 μm, 100 Å	• Alphasil VC-HILIC - A stable diol-bonded column for polar compound separation. Neutral surface enables HILIC & normal-phase modes with resistant to column bleeding.
A1546150510	4.6×150 mm, 5 μm, 100 Å	

Alphasil XD Columns

Conventional columns struggle with: basic compounds (poor peak shapes), polar compounds (irregular retention), and water-rich mobile phases. Alphasil XD series specifically resolves these HPLC challenges.

Alphasil XD-C18AQ		
P/N	Main Specifications	Description
A2146250510	4.6×250 mm, 5 μm, 100 Å	• Alphasil XD-C18AQ column is a polar reversed-phase C18 column that utilizes a unique "polar copolymer" technology for the bonded phase, which simultaneously bonds C18 and polar groups. This not only improves the retention of polar compounds but also ensures the retention and separation of non-polar compounds. It is not end-capped and is suitable for the analysis of small molecule acids. • It can tolerate 100% aqueous phase. • pH tolerance range 2-8.
A2146150510	4.6×150 mm, 5 μm, 100 Å	
A2146150210	4.6×150 mm, 2.5 μm, 100 Å	
A2130150210	3.0×150 mm, 2.5 μm, 100 Å	
A2130100210	3.0×100 mm, 2.5 μm, 100 Å	
A2130050210	3.0×50 mm, 2.5 μm, 100 Å	
A2121150210	2.1×150 mm, 2.5 μm, 100 Å	
A2121100210	2.1×100 mm, 2.5 μm, 100 Å	
A2121050210	2.1×50 mm, 2.5 μm, 100 Å	
Alphasil XD-C18CH		
P/N	Main Specifications	Description
A2246250510	4.6×250 mm, 5 μm ,100 Å	• Alphasil XD-C18CH column features a cation-modified surface that significantly improves peak shape for basic compounds, especially in low-ionic-strength mobile phases. Its optimized surface charge and pore structure provide excellent durability and versatility, making it ideal for rapid method development. • pH tolerance range 2-8.
A2246150510	4.6×150 mm, 5 μm, 100 Å	
A2221150210	2.1×150 mm, 2.5 μm, 100 Å	
A2221100210	2.1×100 mm, 2.5 μm, 100 Å	
A2221050210	2.1×50 mm, 2.5 μm, 100 Å	
Alphasil XD-Ph		
P/N	Main Specifications	Description
A2546250510	4.6×250 mm, 5 μm, 100 Å	• Alphasil XD-Ph column bonds phenyl groups to the silica surface through a three-point bonding technique, offering both hydrophobic and π-π interactions, making it suitable for the analysis and separation of moderately polar and aromatic compounds. • pH tolerance range is 2-8.
A2546150510	4.6×150 mm, 5 μm, 100 Å	

Alphasil S Columns

The Alphasil S columns are customized products designed for specific separation targets, and they also provide exclusive solutions for a particular sample or research project.

Alphasil S-Xion		
P/N	Main Specifications	Description
A3146150510	4.6×150 mm, 5 μm, 100 Å	• Zwitterionic HILIC Chromatography Column. By bonding zwitterionic groups to the silica surface, the hydrophilicity of the packing surface is significantly enhanced, which improves the separation selectivity of polar compounds. It is particularly suitable for the separation and analysis of small molecular oligosaccharides and nucleotides.
Alphasil S-PFP		
P/N	Main Specifications	Description
A3246250310	4.6×250 mm, 3.5 μm, 100 Å	• Alphasil S-PFP column is bonded with pentafluorophenyl groups, which can simultaneously provide dipole-dipole interactions, π-π interactions, and hydrophobic effects. It is suitable for the analysis of aromatic compounds and conjugated compounds, and is widely used in the separation of isomers.
A3246150310	4.6×150 mm, 3.5 μm, 100 Å	
A3230150310	3.0×150 mm, 3.5 μm, 100 Å	
A3230100310	3.0×100 mm, 3.5 μm, 100 Å	
A3230050310	3.0×50 mm, 3.5 μm, 100 Å	
A3230150210	3.0×150 mm, 2.5 μm, 100 Å	
A3230100210	3.0×100 mm, 2.5 μm, 100 Å	
A3230050210	3.0×50 mm, 2.5 μm, 100 Å	
A3221150210	2.1×150 mm, 2.5 μm, 100 Å	
A3221100210	2.1×100 mm, 2.5 μm, 100 Å	
A3221050210	2.1×50 mm, 2.5 μm, 100 Å	
Alphasil S-AAA Amino Acid dedicated Column		
P/N	Main Specifications	Description
A3346250510	4.6×250 mm, 5 μm, 100 Å	• Amino acid-specific column for the detection of 18 types of amino acids.
Alphasil S-AC Pigment dedicated Column		
P/N	Main Specifications	Description
A3546250510	4.6×250 mm, 5 μm, 100 Å	• Pigment-specific HPLC column for multiplex colorant analysis.
A3546150510	4.6×150 mm, 5 μm, 100 Å	
Alphasil ACCHROM Xaqua C18 Bezoar dedicated Column		
P/N	Main Specifications	Description
A3646250510	4.6×250 mm, 5 μm, 100 Å	• Suitable for the detection of bovine calculus.
A3646150510	4.6×150 mm, 5 μm 100 Å	
A3646150310	4.6×150 mm, 3.5 μm, 100 Å	

Marsil Columns

Marsil C18 is a high-selectivity universal C18 column, suitable for method screening and development, with high cost-performance ratio, especially suitable for applications with high column replacement frequency, such as pigments, additives, etc.

Marsil C18		
P/N	Main Specifications	Description
M1146250510	4.6×250 mm, 5 μm, 100 Å	• Marsil C18 - A cost-effective, general-purpose reversed-phase column with ultra-pure porous silica. End-capped for reduced silanol activity, delivering excellent separation for method development.
M1146150510	4.6×150 mm, 5 μm, 100 Å	

StarCoreCore-Shell Columns

StarCore core-shell columns use a unique silica structure to shorten the mass transfer path, minimize axial diffusion, and boost column efficiency. This design enhances separation for complex samples while reducing back pressure under high loads.

P/N	Main Specifications	Description
StarCore C18		
CB1941	2.1×50 mm, 2 μm	• StarCore core-shell columns consist of a solid core and a surface porous layer prepared by a condensation process. Solvents enter the column and only adsorb and distribute in the porous layer on the surface of the packing, offering efficient mass transfer efficiency. • 2 μm → 1.2 μm core and 0.4μm porous layer. • 2.6 μm → 1.6 μm core and 0.5μm porous layer. • 5 μm → 3.4 μm core and 0.6μm porous layer. • StarCore C18 utilizes a unique end-capping technology that further reduces the activity of silanol groups without compromising hydrophobicity, resulting in excellent peak shapes for acidic, basic, and metal chelates, pH 1.5 - 10. • StarCore C8 is an octyl-silane bonded core-shell column with moderate hydrophobicity, pH 1.5 - 9. • StarCore C18AQ, pH 1.5 - 10, compatible with 100% aqueous phases. The stationary phase of StarCore Amide is composed of Amide and hydrophilic groups, which are more polar than individual groups, pH 2 - 8.
CB1961	2.1×100 mm, 2 μm	
CB6941	2.1×50 mm, 2.6 μm	
CB6971	2.1×150 mm, 2.6 μm	
CB3371	3.0×150 mm, 5 μm	
CB3471	4.6×150 mm, 5 μm	
StarCore C8		
P/N	Main Specifications	
CC6941	2.1×50 mm, 2.6 μm	
CC6961	2.1×100 mm, 2.6 μm	
CC6971	2.1×150 mm, 2.6 μm	
StarCore Amide		
P/N	Main Specifications	
CH6941	2.1×50 mm, 2.6 μm	
CH6961	2.1×100 mm, 2.6 μm	
CH6971	2.1×150 mm, 2.6 μm	
StarCore C18AQ		
P/N	Main Specifications	
CY6941	2.1×50 mm, 2.6 μm	
CY6961	2.1×100 mm, 2.6 μm	
CY6971	2.1×150 mm, 2.6 μm	

SelectPrepSample Preparation Products

This product series from Acchrom Tech is developed for sample preparation needs, offering both standardized and customized solutions to suit a wide range of application scenarios.

P/N	Main Specifications	Description
Ceramic Homogenizer		
QC0503	50 / PK	50 mL Compatible ceramic homogenizer.
QC1002	100 / PK	15 mL Compatible ceramic homogenizer.
QC2001	200 / PK	2 mL Compatible ceramic homogenizer.
QuEChERS Extraction Salt Pack		
P/N	Main Specifications	Description
QS0501	50 / PK	6 g $MgSO_4$, 1.5 g NaOAc
QS0502	50 / PK	4 g $MgSO_4$, 1 g NaCl, 1 g Sodium citrate，0.5 g Sodium bicarbonate
QS0503	50 / PK	4 g$MgSO_4$, 1 gNaCl
QuEChERS Extraction Salt Pack Set		
P/N	Main Specifications	Description
QSTC01	(50 bags of salt + 50 ceramic	6 g$MgSO_4$, 1.5 g NaOAC
QSTC02	homogenizers + 50 pieces of 50	4 g$MgSO_4$, 1 g NaCl, 1 g Sodium citrate，0.5 g Sodium bicarbonate
QSTC03	mL centrifuge tubes) per box	4 g$MgSO_4$, 1 gNaCl
QuEChERS Purification Tube		
P/N	Main Specifications	Description
Q0020201	2 mL, 100 / PK	150 mg $MgSO_4$, 25 mg C18
Q0020301	2 mL, 100 / PK	150 mg $MgSO_4$, 25 mg PSA
Q0020302	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg PSA
Q0020801	2 mL, 100 / PK	150 mg $MgSO_4$, 25 mg C18, 25 mg PSA
Q0020802	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg C18, 50 mg PSA
Q0021001	2 mL, 100 / PK	150 mg $MgSO_4$, 25 mg PSA, 2.5 mg GCB
Q0021002	2 mL, 100 / PK	150 mg $MgSO_4$ 25 mg PSA,7.5 mg GCB
Q0021003	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg PSA, 50 mg GCB
Q0021401	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg C18, 50 mg PSA, 7.5 mg GCB
Q0021402	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg C18, 50 mg PSA, 25 mg GCB
Q0021403	2 mL, 100 / PK	150 mg $MgSO_4$, 50 mg C18, 50 mg PSA, 50 mg GCB
Q0023501	2 mL, 100 / PK	25 mg Silica, 50 mg C18
Q0024201	2 mL, 100 / PK	25 mg Silica, 50 mg C18, 5 mg GCB
Q0024202	2 mL, 100 / PK	20 mg Silica, 50 mg C18, 5 mg GCB
Q0050301	5 mL, 100 / PK	300 mg $MgSO_4$, 100 mg PSA
Q0050801	5 mL, 100 / PK	50 mg $MgSO_4$, 50 mg C18, 50 mg PSA
Q0050802	5 mL, 100 / PK	600 mg $MgSO_4$, 40 mg C18, 100 mg PSA
Q0051001	5 mL, 100 / PK	300 mg $MgSO_4$, 100 mg PSA, 10 mg GCB
Q0150201	15 mL, 50 / PK	900 mg $MgSO_4$, 150 mg C18
Q0150301	15 mL, 50 / PK	900 mg $MgSO_4$, 150 mg PSA
Q0150302	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg PSA
Q0150501	15 mL, 50 / PK	900 mg $MgSO_4$, 100 mg Silica, 450 mg C18

Q0150801	15 mL, 50 / PK	900 mg $MgSO_4$, 150 mg C18, 150 mg PSA
Q0150802	15 mL, 50 / PK	1.2 g $MgSO_4$, 100 mg C18, 300 mg PSA
Q0150803	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg C18, 400 mg PSA
Q0151001	15 mL, 50 / PK	900 mg $MgSO_4$, 150 mg PSA, 15 mg GCB
Q0151002	15 mL, 50 / PK	900 mg $MgSO_4$, 150 mg PSA, 45 mg GCB
Q0151003	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg PSA, 400 mg GCB
Q0151201	15 mL, 50 / PK	900 mg $MgSO_4$, 100 mg Silica, 450 mg C18, 45 mg GCB
Q0151401	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg C18, 400 mg PSA, 45 mg GCB
Q0151402	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg C18, 400 mg PSA, 200 mg GCB
Q0151403	15 mL, 50 / PK	1.2 g $MgSO_4$, 400 mg C18, 400 mg PSA, 400 mg GCB
Q0151404	15 mL, 50 / PK	900 mg $MgSO_4$, 300 mg C18, 300 mgPSA, 90 mgGCB
Q0151501	15 mL, 50 / PK	900 mg $MgSO_4$, 300 mg C18, 300 mg Silica, 300 mg PSA, 90 mg GCB
Q0151502	15 mL, 50 / PK	900 mg $MgSO_4$, 300 mg C18, 50 mg Silica, 100 mg PSA, 90 mg GCB
Q0152101	15 mL, 50 / PK	150 mg HLB

SelectPrep HLB SPE Column

P/N	Main Specifications	Description
S11060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep HLB possesses both hydrophilic (N-vinylpyrrolidone structure) and hydrophobic (divinylbenzene structure) functional groups, offering good water wettablity and chemical stability. It has a balanced adsorption effect on both polar and non-polar substances, making it suitable for multi-component analysis in various matrices (food, plasma, water, cosmetics, etc.).
S11060031006	60 mg/3 mL, 60 μm, 50 / PK	
S11060031010	100 mg/3 mL, 60 μm, 50 / PK	
S11060031015	150 mg/3 mL, 60 μm, 50 / PK	
S11060031020	200 mg/3 mL, 60 μm, 50 / PK	
S11060031025	250 mg/3 mL, 60 μm, 50 / PK	
S11060031050	500 mg/3 mL, 60 μm, 50 / PK	
S11060061015	150 mg/6 mL, 60 μm, 30 / PK	
S11060061015-300	150 mg/6 mL,60 μm, 300 / PK	
S11060061020	200 mg/6 mL, 60 μm, 30 / PK	
S11060061030	300 mg/6 mL, 60 μm, 30 / PK	
S11060061050	500 mg/6 mL, 60 μm, 30 / PK	
S11060061050-200	500 mg/6 mL, 60 μm, 200 / PK	

SelectPrep HLB 96-Well Plate

P/N	Main Specifications	Description
P11030011005	30 μm, 5 mg, 1 / PK	• SelectPrep HLB 96-well plate exhibits high recovery rates for weakly acidic, neutral, and weakly basic compounds. It allows for direct sample loading without the need for activation and equilibration steps, thereby enhancing experimental efficiency.

SelectPrep MCX SPE Column

P/N	Main Specifications	Description
S12060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep MCX, by introducing sulfonic acid groups on the basis of HLB, becomes a mixed-mode strong cation exchange reversed-phase adsorbent, primarily used for the enrichment and purification of basic compounds.
S12060031006	60 mg/3 mL, 60 μm, 50 / PK	
S12060031010	100 mg/3 mL,60 μm, 50 / PK	
S12060031015	150 mg/3 mL, 60 μm, 50 / PK	
S12060031020	200 mg/3 mL, 60 μm, 50 / PK	
S12060031025	250 mg/3mL,60 μm, 50 / PK	
S12060031050	500 mg/3 mL, 60 μm, 50 / PK	
S12060061015	150 mg/6 mL, 60 μm, 30 / PK	
S12060061015-300	150 mg/6 mL,60 μm, 300 / PK	
S12060061020	200 mg/6 mL, 60 μm, 30 / PK	
S12060061030	300 mg/6 mL, 60 μm, 30 / PK	
S12060061050	500 mg/6 mL, 60 μm, 30 / PK	
S12060061050-200	500 mg/6 mL, 60 μm, 200 / PK	

SelectPrep MAX SPE Column

P/N	Main Specifications	Description
S13060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep MAX, by introducing quaternary ammonium groups on the basis of HLB, becomes a mixed-mode strong anion exchange reversed-phase adsorbent, primarily used for the enrichment and purification of acidic compounds.
S13060031006	60 mg/3 mL, 60 μm, 50 / PK	
S13060031010	100 mg/3 mL,60 μm, 50 / PK	
S13060031015	150 mg/3 mL, 60 μm, 50 / PK	
S13060031020	200 mg/3 mL, 60 μm, 50 / PK	
S13060031025	250 mg/3mL,60 μm, 50 / PK	
S13060031050	500 mg/3 mL, 60 μm, 50 / PK	
S13060061015	150 mg/6 mL, 60 μm, 30 / PK	
S13060061015-300	150 mg/6 mL,60 μm, 300 / PK	
S13060061020	200 mg/6 mL, 60 μm, 30 / PK	
S13060061030	300 mg/6 mL, 60 μm, 30 / PK	
S13060061050	500 mg/6 mL, 60 μm, 30 / PK	
S13060061050-200	500 mg/6mL, 60 μm, 200 / PK	

SelectPrep WCX SPE Column

P/N	Main Specifications	Description
S14060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep WCX, by introducing carboxylic acid groups on the basis of HLB, becomes a mixed-mode weak cation exchange reversed-phase adsorbent, which exhibits excellent retention for strongly basic analytes, such as quaternary ammonium compounds.
S14060031006	60 mg/3 mL, 60 μm, 50 / PK	
S14060031010	100 mg/3 mL,60 μm, 50 / PK	
S14060031015	150 mg/3 mL, 60 μm, 50 / PK	
S14060031020	200 mg/3mL, 60 μm, 50 / PK	
S14060031025	250 mg/3mL,60 μm, 50 / PK	
S14060031050	500 mg/3 mL, 60 μm, 50 / PK	
S14060061015	150 mg/6 mL, 60 μm, 30 / PK	
S14060061015-300	150 mg/6 mL,60 μm, 300 / PK	
S14060061020	200 mg/6 mL, 60 μm, 30 / PK	

S14060061025	250 mg/6 mL, 60 μm, 30 / PK	
S14060061030	300 mg/6 mL, 60 μm, 30 / PK	
S14060061050	500 mg/6 mL, 60 μm, 30 / PK	
S14060061050-200	500 mg/6mL, 60 μm, 200 / PK	
SelectPrep WAX SPE Column		
P/N	Main Specifications	Description
S15060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep WAX, by introducing fatty amine groups on the basis of HLB, becomes a mixed-mode weak anion exchange adsorbent, which exhibits excellent retention for strongly acidic analytes, such as sulfonic acids.
S15060031006	60 mg/3 mL, 60 μm, 50 / PK	
S15060031010	100 mg/3 mL,60 μm, 50 / PK	
S15060031015	150 mg/3 mL, 60 μm, 50 / PK	
S15060031020	200 mg/3 mL, 60 μm, 50 / PK	
S15060031025	250 mg/3mL,60 μm, 50 / PK	
S15060031050	500 mg/3 mL, 60 μm, 50 / PK	
S15060061015	150 mg/6 mL, 60 μm, 30 / PK	
S15060061015-300	150 mg/6 mL, 60 μm, 300 / PK	
S15060061020	200 mg/6 mL, 60 μm, 30 / PK	
S15060061030	300 mg/6 mL, 60 μm, 30 / PK	
S15060061050	500 mg/6 mL, 60 μm, 30 / PK	
S15060061050-200	500 mg/6 mL, 60 μm, 200 / PK	
SelectPrep Silica SPE Column		
P/N	Main Specifications	Description
S21060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep Silica solid-phase extraction (SPE) columns use unbonded silica gel as the packing material for normal-phase SPE. The silanol groups on the silica gel possess strong polar interaction forces, which are primarily used for retaining polar compounds in nonpolar solvents. They are effective for separating structurally similar polar compounds. The packing material is slightly acidic, and it typically extracts polar compounds through hydrogen bonding, followed by elution of the substances by increasing the polarity of the solvent.
S21060011005	50 mg/1 mL, 60 μm, 100 / PK	
S21060011010	100 mg/1 mL, 60 μm, 100 / PK	
S21060031006	60 mg/3 mL, 60 μm, 50 / PK	
S21060031010	100 mg/3 mL, 60 μm, 50 / PK	
S21060031015	150 mg/3 mL, 60 μm, 50 / PK	
S21060031020	200 mg/3 mL, 60 μm, 50 / PK	
S21060031025	250 mg/3 mL,60 μm, 50 / PK	
S21060031050	500 mg/3 mL,60 μm, 50 / PK	
S21060031050-30	500 mg/3 mL,60 μm, 30 / PK	
S21060061020	200 mg/6 mL,60 μm, 30 / PK	
S21060061040	400 mg/6 mL,60 μm, 30 / PK	
S21060061050	500 mg/6 mL,60 μm, 30 / PK	
S21060061100	1000 mg/6 mL,60 μm, 30 / PK	
S21060121200	2000 mg/12mL,60 μm, 20 / PK	
SelectPrep C18 SPE Column		
P/N	Main Specifications	Description
S22060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep C18 SPE columns are reverse-phase SPE columns based on a silica gel matrix with a high carbon load and strong hydrophobicity. These columns utilize end-capping technology to suppress the activity of silanol groups, thereby reducing the adsorption of basic compounds. SelectPrep C18 columns have a broad range of applications and can retain most compounds with weak to moderate polarity, as well as samples containing a variety of structures or structures that differ significantly from one another.
S22060011005	50 mg/1 mL, 60 μm, 100 / PK	
S22060011010	100 mg/1 mL, 60 μm, 100 / PK	
S22060031006	60 mg/3 mL, 60 μm, 50 / PK	
S22060031010	100 mg/3 mL, 60 μm, 50 / PK	
S22060031015	150 mg/3 mL, 60 μm, 50 / PK	
S22060031020	200 mg/3 mL, 60 μm, 50 / PK	
S22060031025	250 mg/3 mL, 60 μm, 50 / PK	
S22060031050	500 mg/3 mL, 60 μm, 50 / PK	
S22060031050-30	500 mg/3 mL, 60 μm, 30 / PK	
S22060061020	200 mg/6 mL, 60 μm, 30 / PK	
S22060061040	400 mg/6 mL, 60 μm, 30 / PK	
S22060061050	500 mg/6 mL, 60 μm, 30 / PK	
S22060061100	1000 mg/6 mL, 60 μm, 30 / PK	
S22060121050	500 mg/12 mL, 60 μm, 20 / PK	
S22060121200	2000 mg/12mL,60 μm, 20 / PK	
SelectPrep PSA SPE Column		
P/N	Main Specifications	Description
S23060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep PSA SPE columns are based on a silica gel matrix and feature primary-secondary amine (PSA) functional groups, which primarily retain target compounds through polar interactions and anion exchange mechanisms. PSA contains two amine groups, making its ion-exchange capacity stronger than that of a single amine (NH_2) group. PSA also has excellent chelating properties, allowing it to complex with metal ions. SelectPrep PSA is commonly used to remove interferences such as sugars, pigments, fatty acids, and organic acids in pesticide residue analysis.
S23060011005	50 mg/1 mL, 60 μm, 100 / PK	
S23060011010	100 mg/1 mL, 60 μm, 100 / PK	
S23060031006	60 mg/ 3 mL, 60 μm, 50 / PK	
S23060031010	100 mg/3 mL, 60 μm, 50 / PK	
S23060031015	150 mg/3 mL, 60 μm, 50 / PK	
S23060031020	200 mg/3 mL, 60 μm, 50 / PK	
S23060031025	250 mg/3 mL, 60 μm, 50 / PK	
S23060031050	500 mg/3 mL, 60 μm, 50 / PK	
S23060031050-30	500 mg/3 mL, 60 μm, 30 / PK	
S23060061020	200 mg/6 mL, 60 μm, 30 / PK	
S23060061040	400 mg/6 mL, 60 μm, 30 / PK	
S23060061050	500 mg/6 mL, 60 μm, 30 / PK	
S23060061100	1000 mg/6 mL, 60 μm, 30 / PK	
S23060121200	2000 mg/12mL,60 μm, 20 / PK	
SelectPrep NH_2 SPE Column		
P/N	Main Specifications	Description
S24060011003	30 mg/1 mL, 60 μm, 100 / PK	
S24060011005	50 mg/1 mL, 60 μm, 100 / PK	
S24060011010	100 mg/1 mL, 60 μm, 100 / PK	
S24060031006	60 mg/3 mL, 60 μm, 50 / PK	

S24060031010	100 mg/3 mL, 60 μm, 50 / PK	• SelectPrep NH_2 SPE columns are based on a silica gel matrix and feature aminopropyl functional groups, which possess both polar and anion exchange mechanisms. With a pKa value of 9.8, NH_2 acts as a relatively weak anion exchange adsorbent, capable of removing strong anions from aqueous solutions (such as sulfonate ions) and organic acids from fruits. Typical applications for amino columns include the separation of drugs and metabolites from physiological matrices, as well as the extraction of substances like monosaccharides, polysaccharides, steroids, cholesterol, and triglycerides.
S24060031015	150 mg/3 mL, 60 μm, 50 / PK	
S24060031020	200 mg/3 mL, 60 μm, 50 / PK	
S24060031025	250 mg/3 mL, 60 μm, 50 / PK	
S24060031050	500 mg/3 mL, 60 μm, 50 / PK	
S24060031050-30	500 mg/3 mL, 60 μm, 30 / PK	
S24060061020	200 mg/6 mL, 60 μm, 30 / PK	
S24060061040	400 mg/6 mL, 60 μm , 30 / PK	
S24060061050	500 mg/6 mL, 60 μm, 30 / PK	
S24060061100	1000 mg/6 mL, 60 μm, 30 / PK	
S24060121200	2000 mg/12 mL,60 μm, 20 / PK	
SelectPrep C18AQ SPE Column		
P/N	Main Specifications	Description
S25060011003	30 mg/1 mL, 60 μm, 100 / PK	• SelectPrep C18AQ solid phase extraction column is a superior reversed-phase SPE column using a silica gel matrix. Compared to SelectPrep C18, it is moderately hydrophobic and exhibits greater retention of most moderate and weakly polar compounds. This property enables efficient retention of samples containing many different structures or significant structural differences. In addition, the SelectPrep C18AQ solid phase extraction column produces almost no retention of salt substances, which makes it one of the ideal choices for sample desalination.
S25060011005	50 mg/1 mL, 60 μm, 100 / PK	
S25060011010	100 mg/1 mL, 60 μm, 100 / PK	
S25060031006	60 mg/3 mL, 60 μm, 50 / PK	
S25060031010	100 mg/3 mL, 60 μm, 50 / PK	
S25060031015	150 mg/3 mL, 60 μm, 50 / PK	
S25060031020	200 mg/3 mL, 60 μm, 50 / PK	
S25060031025	250 mg/3 mL, 60 μm, 50 / PK	
S25060031050	500 mg/3 mL, 60 μm, 50 / PK	
S25060031050-30	500 mg/3 mL, 60 μm, 30 / PK	
S25060061020	200 mg/6 mL, 60 μm, 30 / PK	
S25060061040	400 mg/6 mL, 60 μm, 30 / PK	
S25060061050	500 mg/6 mL, 60 μm, 30 / PK	
S25060061100	1000 mg/6 mL, 60 μm, 30 / PK	
S25060121200	2000 mg/12 mL,60 μm, 20 / PK	
SelectPrep Florisil SPE Column		
P/N	Main Specifications	Description
S41200031015	150 mg/3 mL, 50 / PK	• SelectPrep Florisil SPE columns are based on a polar silica gel adsorbent that is composited with pesticide-grade magnesium oxide. They are suitable for adsorbing polar compounds from nonpolar matrices. These columns can be used for the separation of compounds such as organochlorine pesticides, polychlorinated biphenyls (PCBs), ketones, organic acids, phenols, and steroids.
S41200031020	200 mg/3 mL, 50 / PK	
S41200031050	500 mg/3 mL, 50 / PK	
S41200031100	1000 mg/3 mL, 50 / PK	
S41200061040	400 mg/6 mL, 30 / PK	
S41200061050	500 mg/6 mL, 30 / PK	
S41200061050-100	500 mg/6 mL, 100 / PK	
S41200061100	1000 mg/6 mL, 30 / PK	
S41200121200	2000 mg/12 mL, 20 / PK	
SelectPrep AL-A SPE Column		
P/N	Main Specifications	Description
S42150031015	150 mg/3 mL, 50 / PK	• SelectPrep AL-A is an acidic alumina solid-phase extraction (SPE) column. The surface of the acidic alumina material carries a positive charge, which is primarily used for adsorbing polar compounds or compounds with anionic functional groups.
S42150031020	200 mg/3 mL, 50 / PK	
S42150031050	500 mg/3 mL, 50 / PK	
S42150031100	1000 mg/3 mL, 50 / PK	
S42150061040	400 mg/6 mL, 30 / PK	
S42150061050	500 mg/6 mL, 30 / PK	
S42150061050-100	500 mg/6 mL, 100 / PK	
S42150061100	1000 mg/6 mL, 30 / PK	
S42150121200	2000 mg/12 mL, 20 / PK	
SelectPrep AL-N SPE Column		
P/N	Main Specifications	Description
S43150031015	150 mg/3 mL, 50 / PK	• SelectPrep AL-N is a neutral alumina SPE column, which has properties similar to silica gel. Neutral alumina can adsorb compounds such as aromatic amines and fatty amines from aqueous or non-aqueous phases through interactions with the high negative charge on heteroatoms like nitrogen (N), oxygen (O), phosphorus (P), and sulfur (S) centered around the aluminum atoms.
S43150031020	200 mg/3 mL, 50 / PK	
S43150031050	500 mg/3 mL, 50 / PK	
S43150031100	1000 mg/3 mL, 50 / PK	
S43150061040	400 mg/6 mL, 30 / PK	
S43150061050	500 mg/6 mL, 30 / PK	
S43150061050-100	500 mg/6 mL, 100 / PK	
S43150061100	1000 mg/6 mL, 30 / PK	
S43150121200	2000 mg/12 mL, 20 / PK	
SelectPrep AL-B SPE Column		
P/N	Main Specifications	Description
S44150031015	150 mg/3 mL, 50 / PK	• SelectPrep AL-B is a basic alumina SPE column. The surface of the basic alumina material carries a negative charge, which is primarily used for adsorbing polar compounds and compounds with cationic functional groups.
S44150031020	200 mg/3 mL, 50 / PK	
S44150031050	500 mg/3 mL, 50 / PK	
S44150031100	1000 mg/3 mL, 50 / PK	
S44150061040	400 mg/6 mL, 30 / PK	
S44150061050	500 mg/6 mL, 30 / PK	
S44150061050-100	500 mg/6 mL, 100 / PK	
S44150061100	1000 mg/6 mL, 30 / PK	
S44150121200	2000 mg/12 mL, 20 / PK	
SelectPrep GCB SPE Column		
P/N	Main Specifications	Description
S45060031015	150 mg/3 mL, 50 / PK	• Graphitized carbon black (GCB) SPE columns are widely used for the enrichment of organic compounds, including both polar and nonpolar compounds.
S45060031020	200 mg/3 mL, 50 / PK	
S45060031050	500 mg/3 mL, 50 / PK	

S45060031100	1000 mg/3 mL, 50 / PK	
S45060061040	400 mg/6 mL, 30 / PK	
S45060061050	500 mg/6 mL, 30 / PK	
S45060061050-100	500 mg/6 mL, 100 / PK	
S45060061100	1000 mg/6 mL, 30 / PK	
S45060121200	2000 mg/12 mL, 20 / PK	

SelectPrep GCB/NH_2 SPE Column

P/N	Main Specifications	Description
S51060061025	250 mg/250 mg/6 mL, 30 / PK	• SelectPrep GCB/NH_2 is a SPE column that is packed with both GCB and NH_2 sorbents. GCB is commonly used for adsorbing pigments in food systems, while NH_2 is used for adsorbing fatty acids and organic acids. This column is suitable for the detection of multiple pesticide residues, including those in fruits, vegetables, meats, aquatic products, grains, and dairy products.
S51060061050	500 mg/500 mg/6 mL, 30 / PK	

SelectPrep GCB/PSA SPE Column

P/N	Main Specifications	Description
S52060061050	500 mg/500 mg/6 mL, 30 / PK	• SelectPrep GCB/PSA is a SPE column that is packed with bothGCB and PSA sorbents. PSA has a stronger ion-exchange capacity compared to NH_2. It is commonly used to remove interfering substances in food that can affect pesticide residue testing, such as fatty acids, organic acids, some polar pigments, and sugars.

Column Accessories

Crafted with premium corrosion-resistant materials for universal HPLC compatibility. Delivers superior sealing and pressure resistance to minimize peak broadening and carryover.

StarCoreColumn Compatible Guard Column Kit

Part Name	P/N	Description
CoreGuard RP Starter Kit	CB32CK	Guard Cartridge Holder, 1 / PK
Core Guard Cartridge RP	CB32CC	Guard Cartridge, 2 / PK

Direct-Connect Guard Column

The direct-connect guard column consists of a cartridge holder and replaceable cartridge. Selection requires matching the holder/cartridge dimensions and packing material to the analytical column specifications.

Part Name	P/N	Description
Direct-Connect Guard Cartridge Holder	G01013004	Stainless Steel, 3.0×4.0 mm, 1 / PK
Direct-Connect Guard Cartridge Holder	G01014610	Stainless Steel, 4.6×10 mm, 1 / PK
Alphasil VC-C18 Guard Cartridge	C01-A1230040510	Stainless Steel, 5 µm, 100 Å, 3.0× 4.0 mm, 3 / PK
Alphasil VC-C18 Guard Cartridge	C01-A1246100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil VC-C18 Guard Cartridge	C01-A1246100310	Stainless Steel, 3.5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil VC-C18(II) Guard Cartridge	C01-A1246100512	Stainless Steel, 5 µm, 120 Å, 4.6×10 mm, 3 / PK
Alphasil VC-C18AQ Guard Cartridge	C01-A1346100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil XD-C18AQ Guard Cartridge	C01-A2130040510	Stainless Steel, 5 µm, 100 Å, 3.0×4.0 mm, 3 / PK
Alphasil XD-C18AQ Guard Cartridge	C01-A2146100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil XD-C18CH Guard Cartridge	C01-A2246100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil XD-Ph Guard Cartridge	C01-A2546100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil S-AC Guard Cartridge	C01-A3530040510	Stainless Steel, 5 µm, 100 Å, 3.0×4.0 mm, 3 / PK
Alphasil S-AC Guard Cartridge	C01-A3546100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil ES-C18 Guard Cartridge	C01-A4146100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK
Alphasil ES-C18 Guard Cartridge	C01-A4146100310	Stainless Steel, 3.5 µm, 100 Å, 4.6×10 mm, 3 / PK
AlphaHybrid C18 Guard Cartridge	C01-H1146100515	Stainless Steel, 5 µm, 150 Å, 4.6×10 mm, 3 / PK
Marsil C18 Guard Cartridge	C01-M1146100510	Stainless Steel, 5 µm, 100 Å, 4.6×10 mm, 3 / PK

Packing material

During Packing material production, the company has established rigorous process control requirements and corresponding quality standards to ensure product consistency.

Alphasil VC-C18 Packing material

P/N	Main Specifications	P/N	Main Specifications
TA1205100010	5 µm, 100Å, 10 g/pk	TA1205100100	5 µm, 100Å, 100 g/pk

SelectPrep C18 Packing material		**SelectPrep PSA Packing material**	
P/N	Main Specifications	P/N	Main Specifications
T22060001	60 µm, 10 g/pk	T23060001	60 µm, 10 g/pk
T22060005	60 µm, 50 g/pk	T23060005	60 µm, 50 g/pk
T22060010	60 µm, 100 g/pk	T23060010	60 µm, 100 g/pk
T22060050	60 µm, 500 g/pk	T23060050	60 µm, 500 g/pk
T22060100	60 µm, 1000 g/pk	T23060100	60 µm, 1000 g/pk

SelectPrep GCB Packing material		**SelectPrep HLB Packing material**	
P/N	Main Specifications	P/N	Main Specifications
T45060001	100 µm, 10 g/pk	T11060001	60 µm, 10 g/pk
T45060005	100 µm, 50 g/pk	T11060005	60 µm, 50 g/pk
T45060010	100 µm, 100 g/pk	T11060010	60 µm, 100 g/pk
T45060050	100 µm, 500 g/pk	T11060100	60 µm, 1000 g/pk
T45060100	100 µm, 1000 g/pk		

SelectPrep MCX Packing material		**SelectPrep MAX Packing material**		**SelectPrep WCX Packing material**		**SelectPrep WAX Packing material**	
P/N	Main Specifications	P/N	Main Specifications	P/N	Main Specifications	P/N	Main Specifications
T12060001	60 µm, 10 g/pk	T13060001	60 µm, 10 g/pk	T14060001	60 µm, 10 g/pk	T15060001	60 µm, 10 g/pk
T12060005	60 µm, 50 g/pk	T13060005	60 µm, 50 g/pk	T14060005	60 µm, 50 g/pk	T15060005	60 µm, 50 g/pk
T12060010	60 µm, 100 g/pk	T13060010	60 µm, 100 g/pk	T14060010	60 µm, 100 g/pk	T15060010	60 µm, 100 g/pk
T12060100	60 µm, 1000 g/pk	T13060100	60 µm, 1000 g/pk	T14060100	60 µm, 1000 g/pk	T15060100	60 µm, 1000 g/pk