

MaxPeak™ Premier Columns

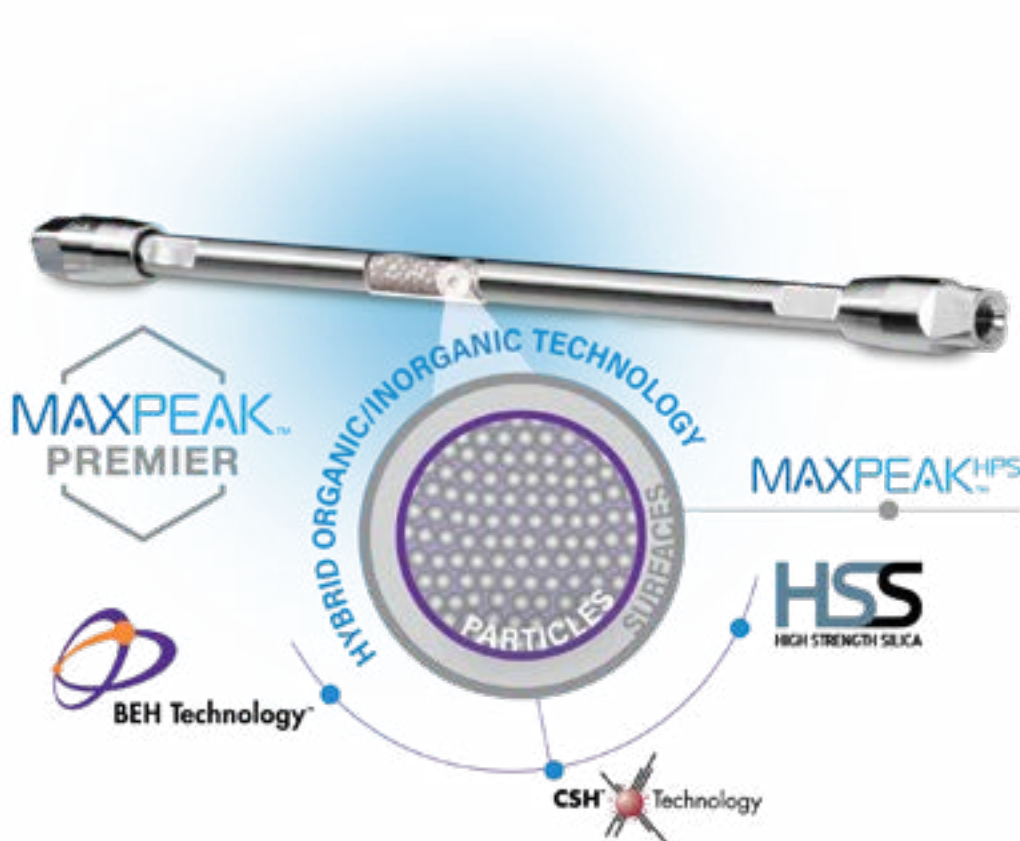
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MaxPeak Premier Columns

Good Chromatography is as much about preventing the detrimental interactions you don't want, as it is creating the ones you do.

Waters™ MaxPeak™ Premier Columns enable scientists to have more control over their chromatographic separations by mitigating the loss of metal sensitive analytes, such as lipids, organic acids, acidic peptides, oligonucleotides, or other compounds containing phosphate or carboxylate functionalities. All MaxPeak Premier columns utilize MaxPeak™ High Performance Surfaces (HPS), new and innovative technologies designed to increase analyte recovery, sensitivity, and reproducibility by minimizing analyte/surface interactions that can lead to sample losses. MaxPeak HPS technology can also be found with Waters QuanRecovery™ plates and vial; for more information, please go to the QuanRecovery product information referenced here ([page 58](#)).



MaxPeak Premier Columns provide:

- Reduced column conditioning and passivation times
- Improved sensitivity and peak shapes
- Simpler mobile phases, without complex additives
- Time savings in method development
- Reduced risk and greater confidence in data and decision making

Available with particle technologies and quality manufacturing you can trust for small molecule, peptide, oligonucleotide, and glycan separations in both reversed-phase and HILIC separation modes.

MaxPeak Premier Small Molecule Column Selection

Waters offers a wider range of MaxPeak Premier columns, available with different particle technologies and bonded phases to meet all of your application needs. Trusted Bridged Ethyl Hybrid, High Strength Silica, and Charged Surface Hybrid particle technologies ideal for high performance UPLC/UHPLC and HPLC separations.



BEH Technology

- High retentivity for basic compounds
- Exceptional peak shape at elevated pH
- Good universal column choice for a wide variety of compounds
- Stable across a wide pH range
- For separations at high temperatures



CSH Technology

- Good separations for basic compounds under low pH conditions
- Excellent MS performance with formic acid as a mobile phase modifier
- Fast pH switching and column equilibration



HSS Technology

- High retentivity for polar organic compounds and metabolites
- Balanced retention of polar and hydrophobic analytes
- High strength silica for mechanical stability

SMALL MOLECULE COLUMN CHEMISTRIES

There are ten chemistries to choose from, that range in utility and selectivity to maximize methods development flexibility.

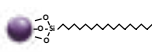
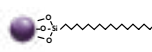
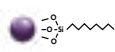

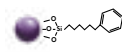

Reversed-phase column chemistries:


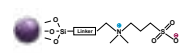
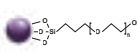
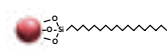
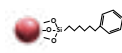
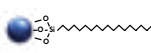
- BEH C₁₈ – General purpose phase ideally suited for methods development due to extreme pH and temperature stability
- BEH C₁₈ AX – High retention mixed mode reversed-phase/anion exchange chemistry for increased retention for acidic analytes at low pH
- BEH C₈ – General purpose phase ideally suited for method development due to pH and temperature stability; ideal for analyzing strongly hydrophobic compounds
- BEH Shield RP18 – alternative selectivity to alkyl C₁₈ phases particularly phenolic compounds, and improved peak shape for bases at neutral pH
- BEH Phenyl – Alternative selectivity particularly for polyaromatic compounds. Provides unique level of pH stability for a phenyl bonded phase
- CSH C₁₈ – General purpose phase that provides improved peak shape for bases at low pH, and rapid equilibration for methods development
- CSH Phenyl-Hexyl – Alternative selectivity to C₁₈ phases, particularly for aromatic compounds due to pi-pi bond interactions when using methanol
- HSS T3 – 100% aqueous mobile phase compatible, ideal for reversed phase polar analyte retention

HILIC Column Chemistries:

- BEH Amide – pH and temperature stable amide chemistry, for the separation of a wide range of polar compounds including sugars and carbohydrates
- BEH Z-HILIC – sulfobetaine bonding that provides increased retention and alternative selectivity to other HILIC phases, excellent choice for metabolomics analysis

Column Characteristics

	C₁₈	C₁₈ AX	C₈	Shield RP18	Phenyl	C₄
Particle/Ligand						
Ligand Density	3.1 μmol/m ²	1.6 μmol/m ²	3.2 μmol/m ²	3.3 μmol/m ²	3.0 μmol/m ²	2.4 μmol/m ²
Pore Diameter	130 Å, 300 Å	95 Å	130 Å	130 Å	130 Å	300 Å
Carbon Load	18%	17%	13%	17%	57%	8%
Endcapped	proprietary	proprietary	proprietary	TMS	proprietary	N/A
USP Class No.	L1	L78	L7	L1	L11	L26
pH Range	1-12	2-10	1-12	2-11	1-12	2-10
Temperature Limits	Low pH = 80 °C, High pH = 60 °C	Low pH = 60 °C, High pH = 65 °C	Low pH = 60 °C, High pH = 05 °C	Low pH = 50 °C, High pH = 45 °C	Low pH = 80 °C, High pH = 60 °C	Low pH = 80 °C, High pH = 50 °C
Surface Area	185 m ² /g	270 m ² /g	185 m ² /g	185 m ² /g	185 m ² /g	90 m ² /g

	Amide	Z-HILIC	BEH-PEO	CSH C₁₈	CSH Phenyl-Hexyl	HSS T3
Particle/Ligand						
Ligand Density	7.5 μmol/m ²	3.0 μmol/m ²	1.5 μmol/m ²	2.3 μmol/m ²	2.3 μmol/m ²	1.6 μmol/m ²
Pore Diameter	130 Å	95 Å	250 Å	130 Å	130 Å	100 Å
Carbon Load	12%	17%	12%	15%	14%	11%
Endcapped	N/A	N/A	N/A	proprietary	proprietary	proprietary
USP Class No.	L68	L122	L33	L1	L11	L1
pH Range	2-11	1-12	2-10	2-11	2-10	2-11
Temperature Limits	Low pH = 90 °C, High pH = 90 °C	Low pH = 60 °C, High pH = 60 °C	Low pH = 60 °C, High pH = 60 °C	Low pH = 80 °C, High pH = 45 °C	Low pH = 80 °C, High pH = 45 °C	Low pH = 45 °C, High pH = 45 °C
Surface Area	185 m ² /g	270 m ² /g	174 m ² /g	185 m ² /g	185 m ² /g	230 m ² /g



Have confidence that the methods you develop today will have the same repeatable results tomorrow. Quality is at the heart of everything we do, whether it is column particles, reliable quality manufacturing, customer support, or supply chain.

Application-Specific Column Selections

PEPTIDE ANALYSIS

ACQUITY Premier BEH C₁₈ and XBridge™ Premier BEH C₁₈ Particle Technology

- Outstanding peak capacity and superior peak shape in TFA, DFA, and FA
- Two pore sizes (130 Å and 300 Å) to provide different separation selectivities for small and large peptides

ACQUITY Premier CSH C₁₈ and XSelect™ CSH C₁₈ Premier Particle Technology

- Accepts greater peptide mass loads for improved low-level detection of impurities
- Excellent performance with TFA for optical applications, FA for MS, and DFA for dual detection

ACQUITY Premier HSS T3 and XSelect HSS T3 Premier Particle Technology

- Ideal choice for the separation of small, polar peptides with greater retentivity than hybrid (BEH, CSH) particle technology columns

PROTEIN AGGREGATE, MONOMER, AND FRAGMENT ANALYSIS

ACQUITY Premier Protein SEC and XBridge Premier Protein SEC 250 Å, 1.7 µm and 2.5 µm Particle Technology

- Efficiently separate protein size variants from simple to complex biotherapeutics (e.g., mAb, ADCs, bi-specifics, fusion proteins) that range from approximately 10,000 to 650,000 Daltons in a single SEC analysis for reliable component quantitation
- Minimize method development by using a single SEC buffer formulation without the need for co-solvents/additives for a variety of samples without sacrificing resolution
- Reduce the cost per analysis using MaxPeak Premier SEC 250 Å Guards that will not degrade the quality of challenging applications

OLIGONUCLEOTIDE ANALYSIS

ACQUITY Premier BEH C₁₈ and XBridge Premier BEH C₁₈ Particle Technology

- Outstanding peak capacity and superior peak shape and lifetime in HFIP, HAA, and TEA
- Two pore sizes (130 Å and 300 Å) to provide different separation selectivities

GLYCAN ANALYSIS

ACQUITY Premier BEH Amide and XBridge Premier BEH Amide Particle Technology

- Best suited for the analysis of released, N-labeled glycans using pre-column labeling with 2-AB, 2-AA, or Waters innovative and enabling *RapiFluor-MS™* reagent
- Two pore sizes (130 Å and 300 Å) to provide different selectivities from released glycans to large glycans, glycopeptides, and glycoproteins

ACQUITY Premier BEH C₁₈ AX and XBridge Premier BEH C₁₈ AX Particle Technology

- Large-based separation of neutral-to-highly acidic released N-glycans
- Improved resolution and recovery for sialylated and phosphorylated glycans

INTACT AND SUBUNIT PROTEIN ANALYSIS

ACQUITY Premier Protein BEH C₄ and XBridge Premier Protein BEH C₄, 300 Å, 1.7 µm and 2.5 µm Particle Technology

- Separates proteins of various sizes, hydrophobicities, and isoelectric points
- Tolerates extreme pH and temperature, and provides minimal secondary interactions
- Improves sensitivity for phosphorylated proteins and low-level intact and subunit mAb analyses

 For more information on Waters columns for bio separations, [see page 327](#).

Ordering Information

ACQUITY Premier Columns

BEH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009452
2.1 × 100 mm	186009453	
2.1 × 150 mm	186009454	

BEH C ₁₈ , 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009497
2.1 × 100 mm	186009457	
2.1 × 150 mm	186009458	

BEH Phenyl 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186010336
2.1 × 100 mm	186010337	
2.1 × 150 mm	186010294	

BEH Phenyl 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186010338
2.1 × 100 mm	186010339	
2.1 × 150 mm	186010340	

BEH C ₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186010356
2.1 × 100 mm	186010357	
2.1 × 150 mm	186010358	

BEH C ₈ , 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186010359
2.1 × 100 mm	186010360	
2.1 × 150 mm	186010361	

BEH Shield RP18, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009490
2.1 × 100 mm	186009498	
2.1 × 150 mm	186009499	

BEH Shield RP18, 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009500
2.1 × 100 mm	186009501	
2.1 × 150 mm	186009502	

ACQUITY Premier Van Guard FIT Cartridges

BEH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186009459	

BEH Phenyl 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186010341	

BEH C ₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186010362	

BEH Shield RP18, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186009503	

BEH Amide, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009504
2.1 × 100 mm	186009505	
2.1 × 150 mm	186009506	

BEH Amide, 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009507
2.1 × 100 mm	186009508	
2.1 × 150 mm	186009509	

CSH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009460
2.1 × 100 mm	186009461	
2.1 × 150 mm	186009462	

CSH C ₁₈ , 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009463
2.1 × 100 mm	186009464	
2.1 × 150 mm	186009465	

CSH Phenyl Hexyl, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009474
2.1 × 100 mm	186009475	
2.1 × 150 mm	186009476	

CSH Phenyl Hexyl, 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009477
2.1 × 100 mm	186009478	
2.1 × 150 mm	186009479	

HSS T3, 100 Å	Particle Size: 1.8 µm	
	Dimension	P/N
	2.1 × 50 mm	186009467
2.1 × 100 mm	186009468	
2.1 × 150 mm	186009469	

HSS T3, 100 Å, VanGuard FIT	Particle Size: 1.8 µm	
	Dimension	P/N
	2.1 × 50 mm	186009470
2.1 × 100 mm	186009471	
2.1 × 150 mm	186009472	

BEH Amide, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186009510	

CSH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186009466	

CSH Phenyl Hexyl, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
2.1 × 5 mm	186009480	

HSS T3, 100 Å	Particle Size: 1.8 µm	
	Dimension	P/N
2.1 × 5 mm	186009473	

MaxPeak Premier 1.7 µm Columns for Bioseparations

Glycan BEH C ₁₈ AX, 95 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009758
	2.1 × 100 mm	186009759
	2.1 × 150 mm	186009760

Glycan BEH C ₁₈ AX, 95 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009970
	2.1 × 100 mm	186009971
	2.1 × 150 mm	186009972

Glycan BEH Amide, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009522
	2.1 × 100 mm	186009523
	2.1 × 150 mm	186009524

Glycan BEH Amide, 130 Å, VanGuard FIT	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009974
	2.1 × 100 mm	186009975
	2.1 × 150 mm	186009976

Glycoprotein BEH Amide, 300 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009547
	2.1 × 100 mm	186009548
	2.1 × 150 mm	186009549

Oligonucleotide BEH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009484
	2.1 × 100 mm	186009485
	2.1 × 150 mm	186009486

Peptide BEH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009481
	2.1 × 100 mm	186009482
	2.1 × 150 mm	186009483

MaxPeak Premier 1.7 µm Van Guard FIT Cartridges

Glycan BEH C ₁₈ AX, 95 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 5 mm	186009973

Glycan BEH Amide, 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 5 mm	186009977

Peptide BEH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009493*
	2.1 × 100 mm	186009494*
	2.1 × 150 mm	186009495*

Peptide CSH C ₁₈ , 130 Å	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	186009487
	2.1 × 100 mm	186009488
	2.1 × 150 mm	186009489

Peptide HSS T3, 100 Å	Particle Size: 1.8 µm	
	Dimension	P/N
	2.1 × 50 mm	186009490
	2.1 × 100 mm	186009491
	2.1 × 150 mm	186009492

Protein BEH C ₄ , 300 Å Column and Standard	Particle Size: 1.7 µm	
	Dimension	P/N
	2.1 × 50 mm	176005107**
	2.1 × 100 mm	176005108**
	2.1 × 150 mm	176005109**

Protein SEC, 250 Å Column and Standard	Particle Size: 1.7 µm	
	Dimension	P/N
	4.6 × 150 mm	176005071***
	4.6 × 300 mm	176005072***

Protein SEC, 250 Å Column, Standard, and Guard	Particle Size: 1.7 µm	
	Dimension	P/N
	4.6 × 150 mm	176004794***
	4.6 × 300 mm	176004795***

*Peptide BEH 300 Å columns may also be used for oligonucleotide analyses requiring wider pore sizes.

**MassPREP Protein Mix Standard p/n: [186004900](#)

***mAb Size Variant Standard p/n: [186009429](#); MaxPeak Premier Protein SEC 250 Å, 2.5 µm, 4.6 × 30 mm Guard p/n: [186009969](#)

MaxPeak Premier 2.5 µm Columns

XBridge Premier BEH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009827
	2.1 × 100 mm	186009828
	2.1 × 150 mm	186009829
	4.6 × 50 mm	186009847
	4.6 × 100 mm	186009848
	4.6 × 150 mm	186009849

XBridge Premier BEH C ₁₈ , 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009843
	2.1 × 100 mm	186009844
	2.1 × 150 mm	186009845
	4.6 × 50 mm	186009850
	4.6 × 100 mm	186009851
	4.6 × 150 mm	186009852

XBridge Premier BEH Amide, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009928
	2.1 × 100 mm	186009929
	2.1 × 150 mm	186009930
	4.6 × 50 mm	186009935
	4.6 × 100 mm	186009936
	4.6 × 150 mm	186009937

XBridge Premier BEH Amide, 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009931
	2.1 × 100 mm	186009932
	2.1 × 150 mm	186009933
	4.6 × 50 mm	186009938
	4.6 × 100 mm	186009939
	4.6 × 150 mm	186009940

XBridge Premier BEH Phenyl, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186010342
	2.1 × 100 mm	186010343
	2.1 × 150 mm	186010344
	4.6 × 50 mm	186010349
	4.6 × 100 mm	186010350
	4.6 × 150 mm	186010351

XBridge Premier BEH Phenyl, 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186010345
	2.1 × 100 mm	186010346
	2.1 × 150 mm	186010347
	4.6 × 50 mm	186010352
	4.6 × 100 mm	186010353
	4.6 × 150 mm	186010354

XBridge Premier BEH C ₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186010363
	2.1 × 100 mm	186010364
	2.1 × 150 mm	186010365
	4.6 × 50 mm	186010370
	4.6 × 100 mm	186010371
	4.6 × 150 mm	186010372

XBridge Premier BEH C ₈ , 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186010366
	2.1 × 100 mm	186010367
	2.1 × 150 mm	186010368
	4.6 × 50 mm	186010373
	4.6 × 100 mm	186010374
	4.6 × 150 mm	186010375

XBridge Premier BEH Shield RP18, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009914
	2.1 × 100 mm	186009915
	2.1 × 150 mm	186009916
	4.6 × 50 mm	186009921
	4.6 × 100 mm	186009922
	4.6 × 150 mm	186009923

XBridge Premier BEH Shield RP18, 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009917
	2.1 × 100 mm	186009918
	2.1 × 150 mm	186009919
	4.6 × 50 mm	186009924
	4.6 × 100 mm	186009925
	4.6 × 150 mm	186009926

XSelect Premier CSH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009865
	2.1 × 100 mm	186009866
	2.1 × 150 mm	186009867
	4.6 × 50 mm	186009872
	4.6 × 100 mm	186009873
	4.6 × 150 mm	186009874

XSelect Premier CSH C ₁₈ , 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009868
	2.1 × 100 mm	186009869
	2.1 × 150 mm	186009870
	4.6 × 50 mm	186009875
	4.6 × 100 mm	186009876
	4.6 × 150 mm	186009877

MaxPeak Premier 2.5 µm Columns

XSelect Premier CSH Phenyl Hexyl, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009879
	2.1 × 100 mm	186009880
	2.1 × 150 mm	186009881
	4.6 × 50 mm	186009886
	4.6 × 100 mm	186009887
	4.6 × 150 mm	186009888

XSelect Premier CSH Phenyl Hexyl, 130 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009882
	2.1 × 100 mm	186009883
	2.1 × 150 mm	186009884
	4.6 × 50 mm	186009889
	4.6 × 100 mm	186009890
	4.6 × 150 mm	186009891

XSelect Premier HSS T3, 100 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009830
	2.1 × 100 mm	186009831
	2.1 × 150 mm	186009832
	4.6 × 50 mm	186009858
	4.6 × 100 mm	186009859
	4.6 × 150 mm	186009860

XSelect Premier HSS T3, 100 Å, VanGuard FIT	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009854
	2.1 × 100 mm	186009855
	2.1 × 150 mm	186009856
	4.6 × 50 mm	186009861
	4.6 × 100 mm	186009862
	4.6 × 150 mm	186009863

MaxPeak Premier 2.5 µm Van Guard FIT Cartridges

XBridge BEH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009842
	3.9 × 5 mm	186009846

XBridge BEH Amide, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009927
	3.9 × 5 mm	186009934

XBridge BEH Phenyl 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186010348
	3.9 × 5 mm	186010355

XBridge BEH C ₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186010369
	3.9 × 5 mm	186010376

XBridge BEH Shield RP18, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009913
	3.9 × 5 mm	186009920

XSelect CSH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009864
	3.9 × 5 mm	186009871

XSelect CSH Phenyl Hexyl, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009878
	3.9 × 5 mm	186009885

XSelect HSS T3, 100 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 5 mm	186009853
	3.9 × 5 mm	186009857

DID YOU KNOW...

To protect your investment, select columns are available with VanGuard™ FIT integrated guard column technology. With a FIT column design created specifically to integrate a guard column, separation efficiency is maintained, along with column lifetime.



VAN GUARD
FIT

MaxPeak Premier 2.5 µm Columns for Bioseparations

XBridge Premier Glycan BEH C ₁₈ AX, 95 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009947
	2.1 × 100 mm	186009948
	2.1 × 150 mm	186009949
	4.6 × 50 mm	186009950
	4.6 × 100 mm	186009951
	4.6 × 150 mm	186009952

XBridge Premier Glycan BEH Amide, 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009941
	2.1 × 100 mm	186009942
	2.1 × 150 mm	186009943
	4.6 × 50 mm	186009944
	4.6 × 100 mm	186009945
	4.6 × 150 mm	186009946

XBridge Premier Oligonucleotide BEH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009836
	2.1 × 100 mm	186009837
	2.1 × 150 mm	186009838
	4.6 × 50 mm	186009901
	4.6 × 100 mm	186009902
	4.6 × 150 mm	186009903

XBridge Premier Peptide BEH C ₁₈ , 130 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009733
	2.1 × 100 mm	186009734
	2.1 × 150 mm	186009835
	4.6 × 50 mm	186009898
	4.6 × 100 mm	186009899
	4.6 × 150 mm	186009900

XBridge Premier Peptide BEH C ₁₈ , 300 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009892*
	2.1 × 100 mm	186009893*
	2.1 × 150 mm	186009894*
	4.6 × 50 mm	186009895*
	4.6 × 100 mm	186009896*
	4.6 × 150 mm	186009897*

XBridge Premier Protein BEH C ₄ , 300 Å Column and Standard	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	176005110**
	2.1 × 100 mm	176005111**
	2.1 × 150 mm	176005112**
	4.6 × 50 mm	176005113**
	4.6 × 100 mm	176005114**
	4.6 × 150 mm	176005115**

XSelect Premier Peptide HSS T3, 100 Å	Particle Size: 2.5 µm	
	Dimension	P/N
	2.1 × 50 mm	186009839
	2.1 × 100 mm	186009840
	2.1 × 150 mm	186009841
	4.6 × 50 mm	186009910
	4.6 × 100 mm	186009911
	4.6 × 150 mm	186009912

XBridge Premier Protein SEC 250 Å, Column and Standard	Particle Size: 2.5 µm	
	Dimension	P/N
	4.6 × 150 mm	176005067***
	4.6 × 300 mm	176005068***
	7.8 × 150 mm	176005069***
	7.8 × 150 mm	176005070***

XBridge Premier Protein SEC 250 Å, Column, Standard, and Guard	Particle Size: 2.5 µm	
	Dimension	P/N
	4.6 × 150 mm	176004790***
	4.6 × 300 mm	176004791***
	7.8 × 150 mm	176004792***
	7.8 × 150 mm	176004793***

*XBridge Premier Peptide BEH 300 Å Columns may also be used for oligonucleotide analyses requiring wider pore sizes.

**MassPREP Protein Mix Standard p/n: [186004900](#)

***mAb Size Variant Standard p/n: [186009429](#); MaxPeak Premier Protein SEC 250 Å, 2.5 µm, 4.6 × 30 mm Guard p/n: [186009969](#)

Atlantis Premier Columns

	Particle Size: 1.7 µm		Particle Size: 2.5 µm		Particle Size: 5 µm		
	Dimension	P/N	Dimension	P/N	Dimension	P/N	
BEH C ₁₈ AX, 95 Å	2.1 × 30 mm	186009365	2.1 × 30 mm	186009389	2.1 × 50 mm	186009407	
	2.1 × 50 mm	186009366	2.1 × 50 mm	186009390	2.1 × 100 mm	186009408	
	2.1 × 75 mm	186009367	2.1 × 75 mm	186009391	2.1 × 150 mm	186009409	
	2.1 × 100 mm	186009368	2.1 × 100 mm	186009392	4.6 × 50 mm	186009427	
	2.1 × 150 mm	186009369	2.1 × 150 mm	186009393	4.6 × 100 mm	186009416	
			4.6 × 50 mm	186009426	4.6 × 150 mm	186009417	
			4.6 × 100 mm	186009397	4.6 × 250 mm	186009418	
			4.6 × 150 mm	186009398			
	BEH C ₁₈ AX, 95 Å, VanGuard FIT	2.1 × 30 mm	186009357	2.1 × 30 mm	186009374	2.1 × 50 mm	186009404
		2.1 × 50 mm	186009358	2.1 × 50 mm	186009375	2.1 × 100 mm	186009405
2.1 × 75 mm		186009359	2.1 × 75 mm	186009376	2.1 × 150 mm	186009406	
2.1 × 100 mm		186009360	2.1 × 100 mm	186009378	4.6 × 50 mm	186009410	
2.1 × 150 mm		186009361	2.1 × 150 mm	186009379	4.6 × 100 mm	186009411	
			4.6 × 50 mm	186009383	4.6 × 150 mm	186009412	
			4.6 × 100 mm	186009384	4.6 × 250 mm	186009413	
			4.6 × 150 mm	186009385			
BEH Z-HILIC, 95 Å		2.1 × 50 mm	186009978	2.1 × 50 mm	186009985	2.1 × 50 mm	186009999
	2.1 × 100 mm	186009979	2.1 × 100 mm	186009986	2.1 × 100 mm	186010000	
	2.1 × 150 mm	186009980	2.1 × 150 mm	186009987	2.1 × 150 mm	186010001	
			4.6 × 50 mm	186009992	4.6 × 50 mm	186010006	
			4.6 × 100 mm	186009993	4.6 × 100 mm	186010007	
			4.6 × 150 mm	186009994	4.6 × 150 mm	186010008	
					4.6 × 250 mm	186010009	
BEH Z-HILIC, 95 Å, VanGuard FIT	2.1 × 50 mm	186009981	2.1 × 50 mm	186009988	2.1 × 50 mm	186010002	
	2.1 × 100 mm	186009982	2.1 × 100 mm	186009989	2.1 × 100 mm	186010003	
	2.1 × 150 mm	186009983	2.1 × 150 mm	186009990	2.1 × 150 mm	186010004	
			4.6 × 50 mm	186009995	4.6 × 50 mm	186010010	
			4.6 × 100 mm	186009996	4.6 × 100 mm	186010011	
			4.6 × 150 mm	186009997	4.6 × 150 mm	186010012	
					4.6 × 250 mm	186010013	

Atlantis Premier Van Guard FIT Cartridges

	Particle Size: 1.7 µm		Particle Size: 2.5 µm		Particle Size: 5 µm	
	Dimension	P/N	Dimension	P/N	Dimension	P/N
BEH C ₁₈ AX, 95 Å	2.1 × 5 mm	186009373	2.1 × 5 mm	186009402	2.1 × 5 mm	186009421
			3.9 × 5 mm	186009403	3.9 × 5 mm	186009422
BEH Z-HILIC, 95 Å	2.1 × 5 mm	186009984	2.1 × 5 mm	186009991	2.1 × 5 mm	186010005
			3.9 × 5 mm	186009998	3.9 × 5 mm	186010014