

A C18 Column with Polar Endcapping

Use Synergi Hydro-RP, an Improved Alternative to Aqua 125 Å

See p. 265

Material Characteristics

Packing Material	Particle Shape/Size (µm)	Pore Size (Å)	Pore Volume (mL/g)	Surface Area (m ² /g)	Carbon Load %	Calculated Bonded Phase Coverage (µmole/m ²)	End Capping
AQUA C18	Spher. 3, 5, 10, 15	125	1.05	320	15	N/A	Proprietary
AQUA C18	Spher. 5, 10, 15	200	1.15	215	11	N/A	Proprietary

125 Å Aqua C18 Column

Aqua's polar endcapping produces a surface chemistry that is well suited for the analysis of small peptides. This chemistry...

- makes it an excellent column for smaller, basic peptides
- allows for faster column equilibration in gradient analyses
- ensures a surface that can be "wetted" with aqueous trifluoroacetic acid (TFA)

200 Å Aqua C18 Column

- Increased pore size for enhanced diffusion of large pharmaceuticals and biomolecules
- Reduced surface area for faster analyses and greater sample throughput

While 125 Å Aqua C18 columns are excellent for small pharmaceutical and peptide analyses, some large pharmaceutical and small-to medium-sized proteins [up to 55,000 MW] are best separated and purified on 200 Å Aqua C18 columns. Very efficient analyses are obtained because of the rapid mass transfer of the proteins into and out of the pores of the hydrophilic stationary phase. Recoveries are typically greater than 90 %.

Ordering Information

3 µm Minibore, Analytical, LC/MS and CombiChem Columns (mm)							SecurityGuard™ Cartridges (mm)	
Phases	30 x 2.0	75 x 2.0	150 x 2.0	75 x 4.6	100 x 4.6	150 x 4.6	4 x 2.0*	4 x 3.0*
C18 125 Å	00A-4311-B0	00C-4311-B0	00F-4311-B0	00C-4311-E0	00D-4311-E0	00F-4311-E0	/10pk AJ0-7510	/10pk AJ0-7511
							for ID: 2.0–3.0 mm	3.2–8.0 mm

5 µm Minibore, MidBore™ and LC/MS Columns (mm)						SecurityGuard™ Cartridges (mm)	
Phases	50 x 2.0	150 x 2.0	250 x 2.0	150 x 3.0	250 x 3.0	4 x 2.0*	4 x 3.0*
C18 125 Å	00B-4299-B0	00F-4299-B0	00G-4299-B0	00F-4299-Y0	00G-4299-Y0	/10pk AJ0-7510	/10pk AJ0-7511
C18 200 Å	—	00F-4331-B0	—	—	—	AJ0-7510	AJ0-7511
						for ID: 2.0–3.0 mm	3.2–8.0 mm

5 µm Analytical, CombiChem, SemiPrep and Preparative Columns (mm)								SecurityGuard™ Cartridges (mm)		
Phases	50 x 4.6	75 x 4.6	150 x 4.6	250 x 4.6	250 x 10	150 x 21.2	250 x 21.2	4 x 3.0*	10 x 10 [‡]	15 x 21.2**
C18 125 Å	00B-4299-E0	00C-4299-E0	00F-4299-E0	00G-4299-E0	00G-4299-N0	00F-4299-P0	00G-4299-P0	/10pk AJ0-7511	/3pk AJ0-7512	/ea AJ0-7843
C18 200 Å	—	—	00F-4331-E0	00G-4331-E0	—	—	—	AJ0-7511	AJ0-7512	AJ0-7843
								for ID: 3.2–8.0 mm	9–16 mm	18–29 mm



For SecurityGuard Cartridge Holders and Cartridges, see p. 254

*SecurityGuard Analytical Cartridges require holder, Part No.: KJ0-4282

‡SemiPrep SecurityGuard Cartridges require holder, Part No.: AJ0-7220

**PREP SecurityGuard Cartridges require holder, Part No.: AJ0-8223