

HPLC Column	Particle Size	pH Range	Carbon Loading	Surface Area(m ² /g)	Endcapped
L93: Cellulose tris(3,5-dimethylphenylcarbamate) reversed phase chiral stationary phase coated on 3 or 5 µm silica gel particles.					
Ultisil Cellu-DR	5, 10 µm	2.0-9.0	N/A	320(120Å)	N/A
L96: Alkyl chain, reversed-phase bonded totally or superficially porous silica designed to retain hydrophilic and other oplar compounds when using highly aqueous mobile phases, including 100% aqueous, 1.5 µm to 10 µm in diameter.					
Ultisil AQ-C18	3, 5, 10 µm	1.5-10.0	12%(120Å)	320(120Å)	Yes
Ultisil LP-AQ	5 µm	1.0- 8.0	5%(120Å)	320(120Å)	No
L107: Cellulose tris(4-methylbenzoate)-coated porous spherical particles, 3 to 5 µm in diameter, for use with reversed phase mobile phases.					
Ultisil Cellu-JR	5, 10 µm	2.0-9.0	N/A	320(120Å)	N/A
L114: Sulfobetaine graft-polymerized to totally or superficially porous silica, 1.5 to 10 µm in diameter, or a monolithic rod. Packing having densely bonded zwitterionic groups with 1:1 charge balance.					
Ultisil HILIC Amphion II	5 µm	2.0-8.0	6%(120Å)	320(120Å)	N/A
L118: Aqueous polymerized C18 groups on silica particles, 1.2 to 5 µm in diameter.					
Ultisil PAH	3, 5 µm	1.5-10.0	22%(120Å)	320(120Å)	No
Not included in USP List					
Ultisil MM NH ₂ /CN	5 µm	2.0-8.0	N/A(120Å)	320(120Å)	N/A
Ultisil MM C18/SCX	5 µm	2.0-8.0	N/A(120Å)	320(120Å)	N/A
Ultisil Zn	N/A	N/A	N/A(120Å)	N/A(120Å)	N/A
Ultisil Lead oxide	N/A	N/A	N/A(120Å)	N/A(120Å)	N/A

4. Cross Reference

Ultisil XB-C18 can substitute:

Symmetry C18	Symmetry shield RP C18
Luna C18	Luna C18(2) Discovery C18
Hypersil BDS C18	Alltima C18 Zorbax Eclipse C18
BetaBasic C18	Platinum EPS C18 Betasil C18
Inertsil ODS-2	Inertsil ODS-3 Supelcosil LC-18-DB
Kromasil 100A C18	HyPURITY C18

Ultisil AQ-C18 can substitute:

Aquasil C18	Atlantis C18	Zorbax SB-AQ C18
Synergi Hydro-RP C18	HydroBond AQ C18	HydroBond PS C18
Ultra Aqueous C18	Prontosil C18 AQ	YMC-Pack ODS-AQ
Elite Sino Chrom ODS-BP		

Ultisil XB-C8 can substitute:

Symmetry C8	Luna C8	Luna C8(2)
Discovery C8	Hypersil BDS C8	Alltima C8
Zorbax Eclipse XDB C8	BetaBasic C8	Platinum EPS C8
Betasil C8	Inertsil C8	Inertsil C8-3
Supercosil LC-8-DB	Kromasil 100A C8	HyPURITY C8
YMC-Pack C8-AM	Adsorbosphere HS C8	Develosil C8
Cosmosil C8-MS	Nucleosil 100 C8 HD	

Other Ultisil Columns: XB-CN, XB-Phenyl, XB-CN, SiO₂ and Polar RP can replace the most of the same type columns of other brands.

Xtimate (wide pH range) can substitute:

Waters	Xterra series	Xbridge series
Agilent	Extend series	
Phenomenex	Gemini series	

Chiral Column Reference Table

Company	Brand	Coated Normal Phase				Coated Reversed Phase			
		Cellu-D	Cellu-J	Amy-D	Amy-S	Cellu-D/R	Cellu-J/R	Amy-D/R	Amy-S/R
Welch	Ultisil	Cellu-D	Cellu-J	Amy-D	Amy-S	Cellu-D/R	Cellu-J/R	Amy-D/R	Amy-S/R
Daicel	Chiralcel	OD-H	OJ-H			OD-RH	OJ-RH		
	Chiralpak			AD-H	AS-H			AD-RH	AS-RH