

HyperClone™ Guaranteed Replacement to Hypersil

Guaranteed Replacement to Hypersil®

- Highly reproducible
- Long column life
- Mimics performance of Thermo Hypersil-Keystone Hypersil
- Economically priced

Phenomenex HyperClone columns have been developed to provide chromatographic behavior that mimics that of Thermo Hypersil columns. For comparative applications, please contact your local Phenomenex representative.

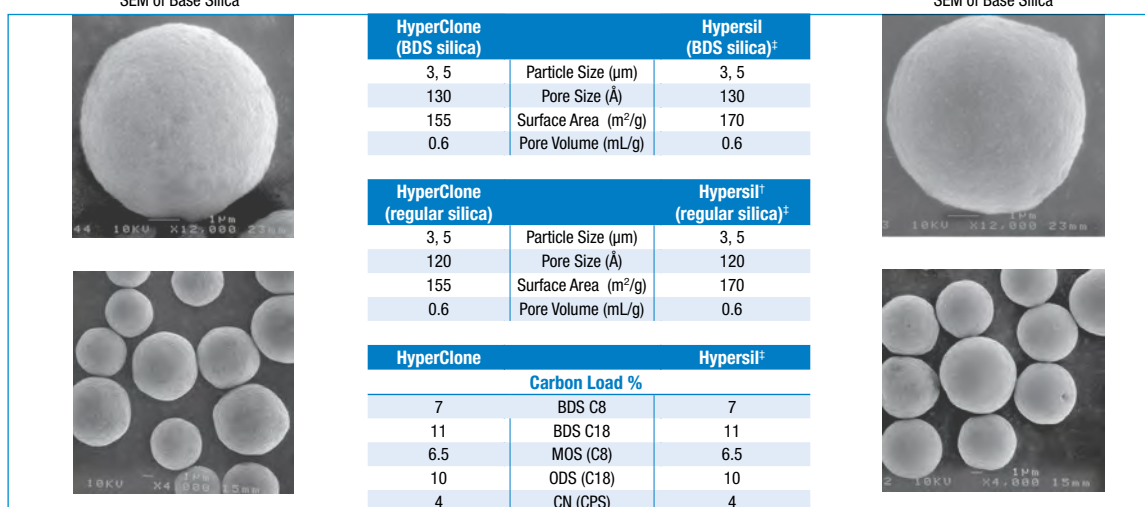
Comparisons of physical and chemical characteristics of HyperClone and Hypersil are listed below. As you can see, HyperClone and Hypersil compare very well for important specifications such as particle size, pore size, and carbon load.

HyperClone

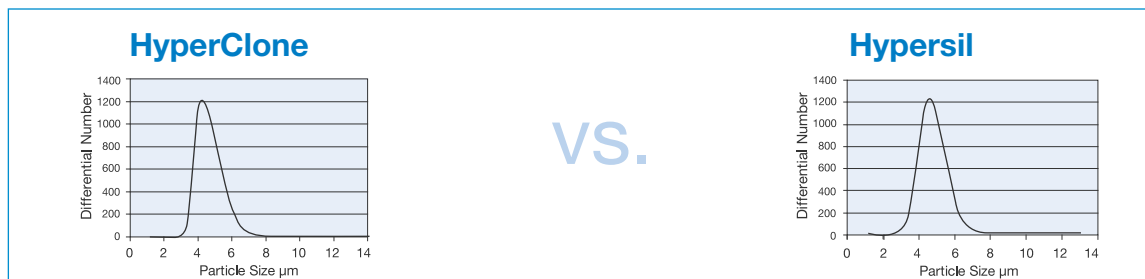
VS.

Hypersil

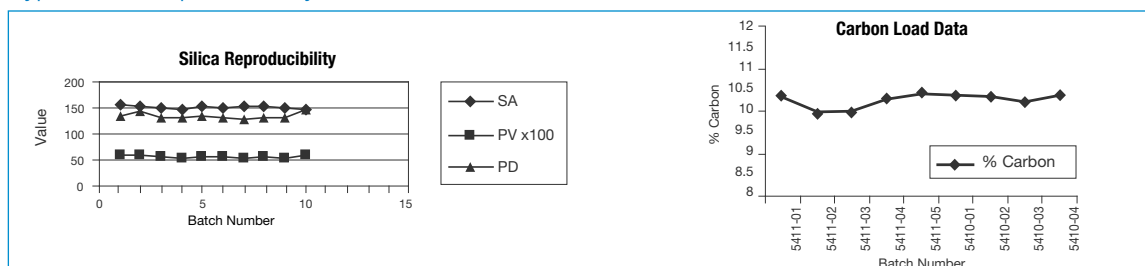
Material Characteristics



Particle Size Distribution[†]



HyperClone Reproducibility

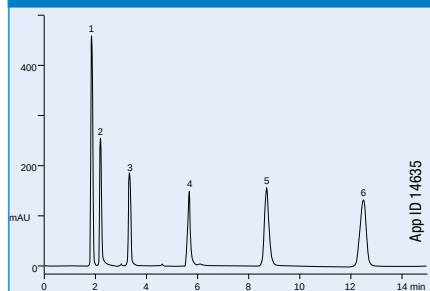


[†] All Hypersil information obtained from (then) Thermo Electron Corporation 2006-2007 catalog and 2012-2013 Thermo Scientific Chromatography Columns catalog.

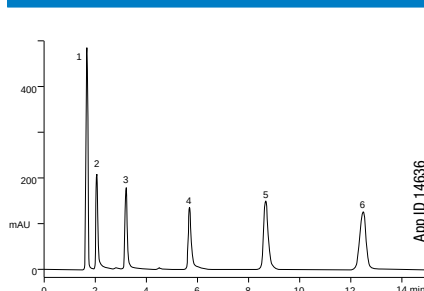
HyperClone™ Guaranteed Replacement to Hypersil

VS.

HyperClone™ 5 µm BDS C18



Hypersil® 5 µm BDS C18



Non-Polar Basic Compounds

Conditions for Both Columns

Dimensions: 150 x 4.6 mm

Mobile Phase: Methanol/50 mM KH_2PO_4 , pH 3.5 (60:40)

Flow Rate: 1.0 mL/min

Detection: UV @ 254 nm

Sample: 1. Uracil
2. Pyridine
3. Methylaniline
4. Dimethylaniline
5. Dichloronitroaniline
6. Toluene

Ordering Information

3 µm Minibore and Analytical Columns (mm)						SecurityGuard™ Cartridges (mm)	
Phases	50 x 2.0	150 x 2.0	100 x 4.6	125 x 4.0	150 x 4.6	4 x 2.0*	4 x 3.0*
ODS (C18)	—	00F-4356-B0	00D-4356-E0	00E-4356-D0	00F-4356-E0	/10pk AJ0-4286	/10pk AJ0-4287
BDS C8	00B-4417-B0	—	—	—	00F-4417-E0	AJ0-4289	AJ0-4290
BDS C18	00B-4419-B0	00F-4419-B0	00D-4419-E0	—	00F-4419-E0	AJ0-4286	AJ0-4287

for ID: 2.0-3.0 mm 3.2-8.0 mm

5 µm Minibore and Analytical Columns (mm)								SecurityGuard™ Cartridges (mm)	
Phases	150 x 2.0	150 x 3.2	250 x 3.2	125 x 4.0	250 x 4.0	100 x 4.6	150 x 4.6	250 x 4.6	
Silica	—	—	—	—	—	—	00F-4358-E0	00G-4358-E0	
MOS (C8)	—	—	—	00E-4359-D0	—	00D-4359-E0	00F-4359-E0	00G-4359-E0	
ODS (C18)	—	00F-4361-R0	00G-4361-R0	00E-4361-D0	00G-4361-D0	00D-4361-E0	00F-4361-E0	00G-4361-E0	
CN (CPS)	—	—	—	—	—	—	00F-4422-E0	00G-4422-E0	
BDS C8	—	—	—	—	—	—	00F-4418-E0	00G-4418-E0	
BDS C18	00F-4420-B0	00F-4420-R0	—	00E-4420-D0	00G-4420-D0	00D-4420-E0	00F-4420-E0	00G-4420-E0	

for ID: 2.0-3.0 mm 3.2-8.0 mm

5 µm SemiPrep Columns (mm)		SecurityGuard™ Cartridges (mm)	
Phases	250 x 10	10 x 10 *	
ODS (C18)	00G-4361-N0	AJ0-7221	

for ID: 9-16 mm

*SecurityGuard™ Analytical Cartridges require holder, Part No.: [KJ0-4282](#)
†SemiPrep SecurityGuard™ Cartridges require holder, Part No.: [AJ0-9281](#)



Other dimensions available upon request.



For SecurityGuard Cartridge Holders and Cartridges, see pp. 330-334.

Comparative separations may not be representative of all applications.