

Guaranteed Replacement to Spherisorb®

- Highly reproducible
- Long column life
- Mimics performance of Waters® Spherisorb®
- Economically priced

If SphereClone analytical columns do not provide at least an equivalent separation as compared to Spherisorb columns of the same phase, particle size and dimensions, return the column with comparative data within 45 days for a FULL REFUND.

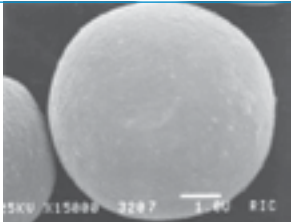
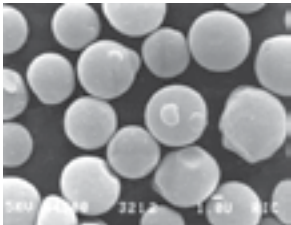
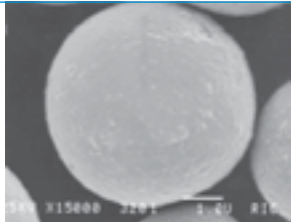
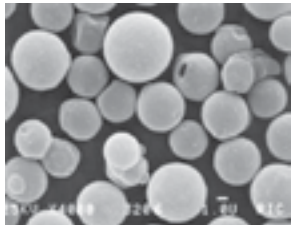
Phenomenex SphereClone columns have been developed to provide chromatographic behavior that mimics that of Waters Spherisorb columns. The following page illustrates an example. For additional comparative applications, please contact your local Phenomenex representative.

SphereClone™

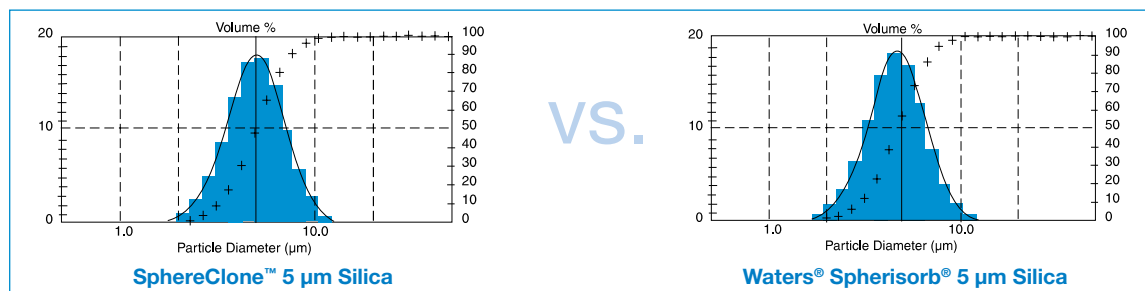
VS.

Spherisorb®†

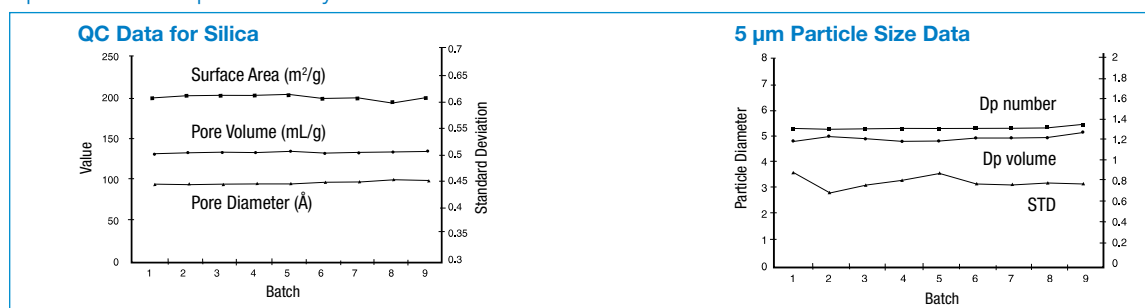
Material Characteristics

SEM of Base Silica		Material Characteristics		SEM of Base Silica	
	Surface 15,000x Magnification	SphereClone™		Spherisorb®†	
		3, 5, 10 µm 80 Å 200 m²/g	Particle Size Pore Size Surface Area	3, 5, 10 µm 80 Å 200 m²/g	
	Physical Mass Distribution and Shape 4,000x Magnification	Carbon Load			
		—	Silica	—	
		6%	C6	6%	
		6%	C8	6%	
		7%	ODS(1)	6.2%	
		12%	ODS(2)	12%	
		2%	NH₂	2%	
	Surface 15,000x Magnification			Spherisorb®†	
			Particle Size Pore Size Surface Area	3, 5, 10 µm 80 Å 200 m²/g	
	Physical Mass Distribution and Shape 4,000x Magnification				
			Silica		
			C6		
			C8		
			ODS(1)		
			ODS(2)		
			NH₂		

Particle Size Distribution



SphereClone Reproducibility



SphereClone™

Ordering Information

SecurityGuard™ Analytical Cartridges require holder, Part No.: KJO-4282

3 µm Columns (mm)						SecurityGuard™ Cartridges (mm)	
Phases	150 x 2.0	150 x 3.2	50 x 4.6	100 x 4.6	150 x 4.6	4 x 2.0	4 x 3.0
						/10pk	/10pk
Silica	—	—	—	00D-4130-E0	00F-4130-E0	AJO-4347	AJO-4348
C8	—	—	—	00D-4133-E0	—	AJO-4289	AJO-4290
ODS(1)	00F-4134-R0	00F-4134-R0	—	00D-4134-E0	00F-4134-E0	AJO-4286	AJO-4287
ODS(2)	—	00F-4135-R0	00B-4135-E0	00D-4135-E0	00F-4135-E0	AJO-4286	AJO-4287
NH ₂	—	00F-4137-R0	—	—	00F-4137-E0	AJO-4301	AJO-4302

for ID: 2.0-3.0 mm 3.2-8.0 mm

5 µm Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	150 x 3.2	250 x 3.2	150 x 4.6	250 x 4.6	4 x 2.0	4 x 3.0
					/10pk	/10pk
Silica	—	—	00F-4139-E0	00G-4139-E0	AJO-4347	AJO-4348
C6	—	—	00F-4141-E0	00G-4141-E0	—	—
C8	—	—	00F-4142-E0	00G-4142-E0	AJO-4289	AJO-4290
ODS(1)	00F-4143-R0	00G-4143-R0	00F-4143-E0	00G-4143-E0	AJO-4286	AJO-4287
ODS(2)	00F-4144-R0	00G-4144-R0	00F-4144-E0	00G-4144-E0	AJO-4286	AJO-4287
NH ₂	—	00G-4147-R0	00F-4147-E0	00G-4147-E0	AJO-4301	AJO-4302
SAX	00F-4149-R0	—	00F-4149-E0	00G-4149-E0	AJO-4310	AJO-4311

for ID: 2.0-3.0 mm 3.2-8.0 mm

10 µm Columns (mm)		SecurityGuard™ Cartridges (mm)	
Phases	250 x 4.6	4 x 3.0	
		/10pk	
ODS(2)	00G-4156-E0	AJO-4287	
SAX	00G-4160-E0	AJO-4311	

for ID: 3.2-8.0 mm

¹Comparative separations may not be representative of all applications.
 SphereClone™ is a trademark of Phenomenex.
²Spherisorb columns used for comparison studies were purchased from manufacturer.
³Spherisorb is a registered trademark of Waters. Phenomenex has no affiliation with Waters.

Spherex™

- For Availability and Ordering Information please contact your Phenomenex Technical Consultant.

Spherisorb®

- Expertly packed by Phenomenex

Phenomenex packs Spherisorb® material to high standards of quality. We have been packing Spherisorb columns for over 25 years and frequently get requests from customers who have to use Spherisorb and want Phenomenex-packed Spherisorb instead.

**Use SphereClone Columns
as an Alternative to Spherisorb**

See p. 262

Ordering Information SecurityGuard™ Analytical Cartridges require universal holder Part No.: KJO-4282

5 µm Columns (mm)			SecurityGuard™ Cartridges (mm)	
Phase	150 x 4.6	250 x 4.6	4 x 3.0	
			/10pk	
C8	00F-0104-E0	00G-0104-E0	AJO-4290	
ODS(1)	00F-0105-E0	00G-0105-E0	AJO-4287	
ODS(2)	00F-0106-E0	00G-0106-E0	AJO-4287	

for ID: 3.2-8.0 mm

Spherisorb® is a registered trademark of Waters Corp.
 Phenomenex is not affiliated with Waters Corp.



Other column dimensions available upon request.



For SecurityGuard Cartridge Holders and Cartridges, see p. 254