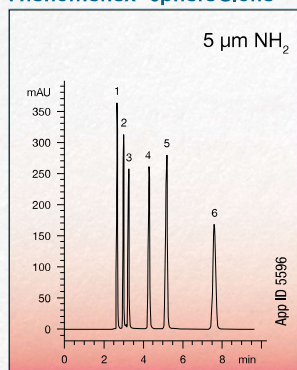


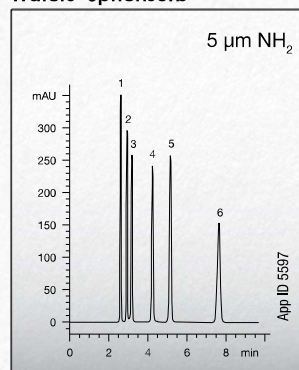
SPHERECLONE™

Guaranteed alternative to **Spherisorb®**

Phenomenex® SphereClone



Waters® Spherisorb®



VS.

Corticosteroids

Conditions for Both Columns:

Dimensions: 250 x 4.6 mm

Mobile Phase: Dichloromethane/Methanol (95:5)

Flow Rate: 1.0 mL/min

Detection: UV @ 254 nm

Sample:

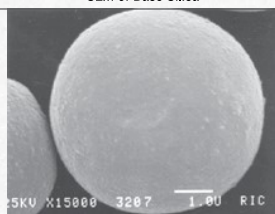
1. Deoxycorticosterone Acetate
2. Deoxycorticosterone
3. Hydrocortisone 21-Acetate
4. Corticosterone
5. Cortisone
6. Hydrocortisone

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

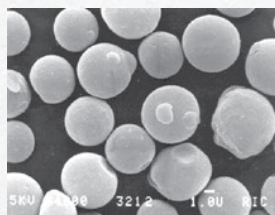
Phenomenex SphereClone columns have been developed to provide chromatographic behavior that mimics that of Waters Spherisorb columns. For additional comparative applications, please contact your local Phenomenex representative.

SphereClone

SEM of Base Silica



Surface
15,000x Magnification



Physical Mass Distribution and Shape
4,000x Magnification

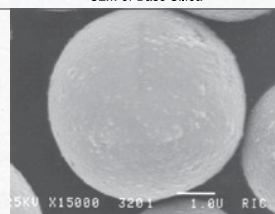
VS.

Material Characteristics

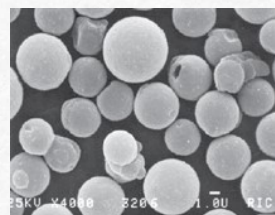
SphereClone™		Spherisorb®†
3, 5, 10 µm	Particle Size	3, 5, 10 µm
80 Å	Pore Size	80 Å
200 m²/g	Surface Area	200 m²/g
Carbon Load		
—	Silica	—
6%	C6	6%
6%	C8	6%
7%	ODS(1)	6.2%
12%	ODS(2)	12%
2%	NH₂	2%

Spherisorb®†

SEM of Base Silica



Surface
15,000x Magnification



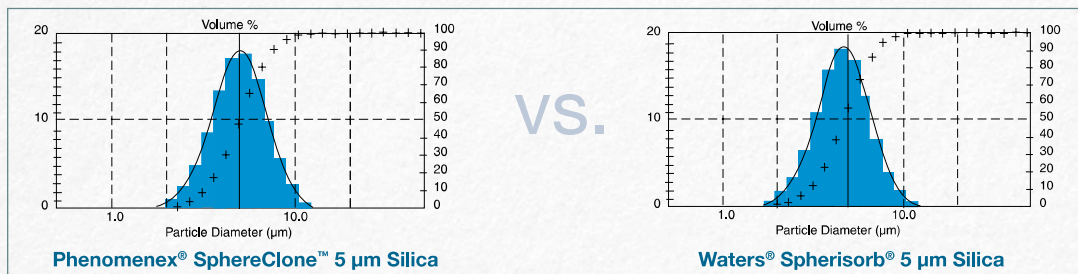
Physical Mass Distribution and Shape
4,000x Magnification

Comparative separations may not be representative of all applications.

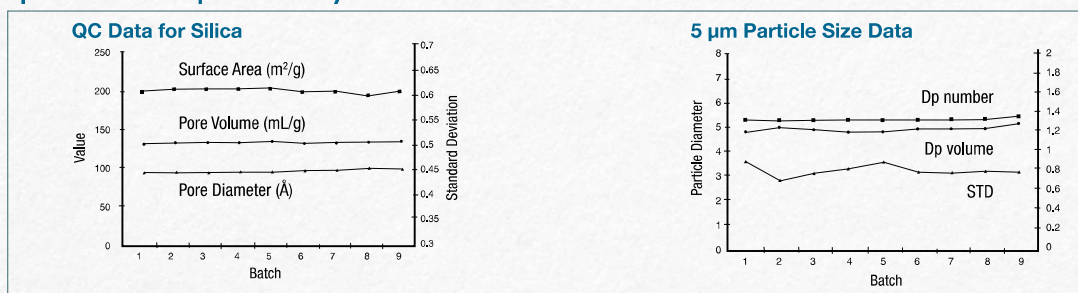
SPHERECLONE™ (cont'd)

Guaranteed alternative to Spherisorb®

Particle Size Distribution



SphereClone Reproducibility



ORDERING INFORMATION

3 µm Columns (mm)			SecurityGuard™ Cartridges (mm)	
Phases	50 x 4.6	100 x 4.6	150 x 4.6	4 x 3.0
C8	—	00D-4133-E0	—	/10pk
ODS(1)	—	00D-4134-E0	00F-4134-E0	AJ0-4290
ODS(2)	00B-4135-E0	00D-4135-E0	00F-4135-E0	AJ0-4287
NH ₂	—	—	00F-4137-E0	AJ0-4302

for ID: 3.2-8.0 mm

5 µm Columns (mm)			SecurityGuard™ Cartridges (mm)	
Phases	150 x 4.6	250 x 4.6	4 x 3.0	/10pk
Silica	00F-4139-E0	00G-4139-E0	AJ0-4348	—
C6	00F-4141-E0	00G-4141-E0	AJ0-4290	—
C8	00F-4142-E0	00G-4142-E0	AJ0-4287	—
ODS(1)	00F-4143-E0	00G-4143-E0	AJ0-4287	—
ODS(2)	00F-4144-E0	00G-4144-E0	AJ0-4287	—
NH ₂	00F-4147-E0	00G-4147-E0	AJ0-4302	—
SAX	00F-4149-E0	00G-4149-E0	AJ0-4311	—

for ID: 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	AJ0-4287	—
SAX	00G-4160-E0	AJ0-4311	—

for ID: 3.2-8.0 mm

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

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

guarantee

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, send in your comparative data within 45 days and keep the SphereClone column for FREE.