

# PHENOSPHERE™ - NEXT™

- NEXT generation of PhenoSphere columns
- Features a more rugged silica
- Available in a wide array of particle sizes, phases and dimensions
- An excellent alternative to IB-Sil, Selectosil and PrimeSphere columns

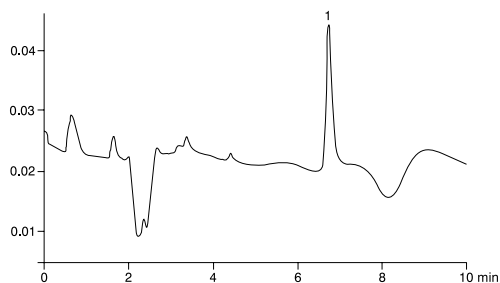
## Material Characteristics

Packing Material	Particle Shape/Size (µm)	Pore Size (Å)	Surface Area (m <sup>2</sup> /g)	Carbon Load %	End Capping
Silica	Spher. 3, 5	120	380	—	No
C8	Spher. 3, 5	120	380	10	Yes
C18	Spher. 3, 5	120	380	14	Yes
CN	Spher. 3, 5	120	380	8	Yes
Phenyl	Spher. 5	120	380	11	Yes

App ID 10763

### Dehydroacetic Acid

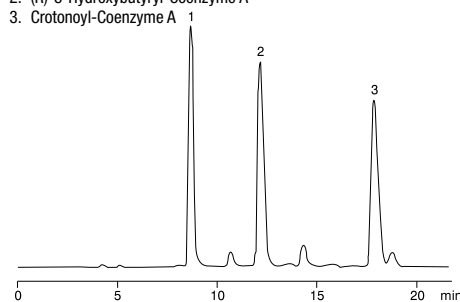
**Column:** PhenoSphere-NEXT 3 µm C18  
**Dimensions:** 150 x 4.6 mm  
**Part No.:** 00F-4303-E0  
**Mobile Phase:** Acetonitrile/0.1 % Acetic Acid (75:25)  
**Flow Rate:** 1 mL/min  
**Detection:** UV @ 200 nm  
**Temperature:** 23-25 °C  
**Injection Volume:** 20 µL  
**Sample:** 1. Dehydroacetic Acid (DHA) from tap water



App ID 10764

### Coenzyme A

**Column:** PhenoSphere-NEXT 5 µm C18  
**Dimensions:** 250 x 4.6 mm  
**Part No.:** 00G-4308-E0  
**Mobile Phase:** A: Methanol/10 mM Potassium phosphate, pH 6.5 (0:100)  
 B: Methanol/10 mM Potassium phosphate, pH 6.5 (40:60)  
 30 % to 80 % B in 10 min and hold at 80 % for 5 min  
**Flow Rate:** 0.8 mL/min  
**Detection:** UV @ 260 nm  
**Temperature:** 25 °C  
**Injection Volume:** 10 µL  
**Sample:** 1. Coenzyme A  
 2. (R)-3-Hydroxybutyryl-Coenzyme A  
 3. Crotonoyl-Coenzyme A



## ORDERING INFORMATION

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

Phases	3 µm Columns (mm)					SecurityGuard™ Cartridges	
	150 x 1.0	50 x 2.0	150 x 2.0	50 x 4.6	150 x 4.6	4 x 2.0 mm /10pk	4 x 3.0 mm /10pk
C8	—	00B-4302-B0	—	00B-4302-E0	—	AJO-4289	AJO-4290
C18	00F-4303-A0	00B-4303-B0	00F-4303-B0	00B-4303-E0	00F-4303-E0	AJO-4286	AJO-4287
CN	—	00B-4305-B0	—	—	00F-4305-E0	AJO-4304	AJO-4305
						for ID: 2.0-3.0 mm	3.2-8.0 mm

Phases	5 µm Columns (mm)						SecurityGuard™ Cartridges		
	150 x 2.0	250 x 2.0	150 x 3.2	250 x 3.2	125 x 4.0	150 x 4.6	250 x 4.6	4 x 2.0 mm /10pk	4 x 3.0 mm /10pk
Silica	—	00G-4306-B0	—	—	—	00F-4306-E0	00G-4306-E0	AJO-4347	AJO-4348
C8	00F-4307-B0	00G-4307-B0	—	—	00E-4307-D0	00F-4307-E0	00G-4307-E0	AJO-4289	AJO-4290
C18	00F-4308-B0	00G-4308-B0	00F-4308-R0	00G-4308-R0	00E-4308-D0	00F-4308-E0	00G-4308-E0	AJO-4286	AJO-4287
CN	—	00G-4310-B0	—	—	—	00F-4310-E0	00G-4310-E0	AJO-4304	AJO-4305
Phenyl	00F-4309-B0	—	00F-4309-R0	—	—	00F-4309-E0	00G-4309-E0	AJO-4350	AJO-4351
								for ID: 2.0-3.0 mm	3.2-8.0 mm

Phases	3 µm LC/MS Columns (mm)					
	150 x 1.0	30 x 2.0	50 x 2.0	150 x 2.0	30 x 4.6	50 x 4.6
C8	—	00A-4302-B0	00B-4302-B0	—	00A-4302-E0	00B-4302-E0
C18	00F-4303-A0	—	00B-4303-B0	00F-4303-B0	00A-4303-E0	00B-4303-E0
CN	—	—	—	—	00A-4305-E0	—

Phases	5 µm LC/MS Columns (mm)						
	50 x 1.0	150 x 1.0	30 x 2.0	50 x 2.0	150 x 2.0	30 x 4.6	50 x 4.6
Silica	—	—	—	—	—	00A-4306-E0	—
C8	—	—	00A-4307-B0	—	00F-4307-B0	—	00B-4307-E0
C18	00B-4308-A0	00F-4308-A0	00A-4308-B0	00B-4308-B0	00F-4308-B0	—	00B-4308-E0
Phenyl	—	—	—	00B-4309-B0	00F-4309-B0	—	00B-4309-E0
CN	—	—	—	—	—	00A-4310-E0	00B-4310-E0