

PhenoSphere™

- Cost-effective, HPLC columns
- “NEXT” generation features more rugged C18, C8, CN and Phenyl phases for the same low price. See below.

Material Characteristics

Packing Material	Particle Shape/Size (µm)	Pore Size (Å)	Pore Volume (mL/g)	Surface Area (m ² /g)	Carbon Load %	Calculated Bonded Phase Coverage (µmole/m ²)	End Capping
C1	Spher. 3, 5, 10	80	0.5	220	4, Monomeric	1.08	No
C6	Spher. 3, 5, 10	80	0.5	220	6, Monomeric	2.27	Yes
C8	Spher. 3, 5, 10	80	0.5	220	6, Monomeric	3.54	Yes
ODS (1)	Spher. 3, 5, 10	80	0.5	220	7, Monomeric	1.74	Partial
ODS (2)	Spher. 3, 5, 10	80	0.5	220	11, Monomeric	2.50	Yes
CN (1)	Spher. 3, 5	80	0.5	220	4, Monomeric	2.82	Partial
NH ₂	Spher. 3, 5, 10	80	0.5	220	2, Monomeric	1.58	No
SCX	Spher. 5, 10	80	0.5	220	6, Monomeric	0.4meq/g	No
SAX	Spher. 5, 10	80	0.5	220	4, Monomeric	0.6meq/g	No



For SecurityGuard Cartridge Holders and Cartridges, see p. 254

Ordering Information

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

3 µm Columns (mm)			SecurityGuard™ Cartridges (mm)		
Phases	150 x 3.2	150 x 4.6	4 x 3.0		
			/10pk		
ODS (1)	00F-3222-R0	00F-3222-E0	AJ0-4287		
ODS (2)	00F-3169-R0	00F-3169-E0	AJ0-4287		

3.2-8.0 mm

5 µm Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	150 x 2.0	150 x 3.2	150 x 4.6	250 x 4.6	4 x 2.0	4 x 3.0
					/10pk	/10pk
C1	—	—	00F-4085-E0	00G-4085-E0	AJ0-4298	AJ0-4299
C6	—	—	00F-4086-E0	00G-4086-E0	—	—
C8	—	—	00F-3149-E0	00G-3149-E0	AJ0-4289	AJ0-4290
ODS (1)	—	—	—	00G-3148-E0	AJ0-4286	AJ0-4287
ODS (2)	—	—	00F-3172-E0	00G-3172-E0	AJ0-4286	AJ0-4287
CN (1)	—	—	00F-3174-E0	00G-3174-E0	AJ0-4304	AJ0-4305
NH ₂	—	—	00F-4087-E0	00G-4087-E0	AJ0-4301	AJ0-4302
SAX	00F-3151-B0	00F-3151-R0	00F-3151-E0	00G-3151-E0	AJ0-4310	AJ0-4311
SCX	—	—	00F-3223-E0	00G-3223-E0	AJ0-4307	AJ0-4308

for ID: 2.0-3.0 mm

3.2-8.0 mm

PhenoSphere™ - NEXT™

Material Characteristics

Packing Material	Particle Shape/Size (µm)	Pore Size (Å)	Surface Area (m ² /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

Ordering Information

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

5 µm Columns (mm)				SecurityGuard Cartridges (mm)	
Phases	150 x 2.0	150 x 4.6	250 x 4.6	4 x 2.0	4 x 3.0
				/10pk	/10pk
Silica	—	00F-4306-E0	00G-4306-E0	AJ0-4347	AJ0-4348
C8	—	00F-4307-E0	00G-4307-E0	AJ0-4289	AJ0-4290
C18	00F-4308-B0	00F-4308-E0	00G-4308-E0	AJ0-4286	AJ0-4287
Phenyl	—	—	00G-4309-E0	AJ0-4350	AJ0-4351

for ID: 2.0-3.0 mm

3.2-8.0 mm

PLgel™ and PLRP-S

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