

explore

LUNA
OMEGA



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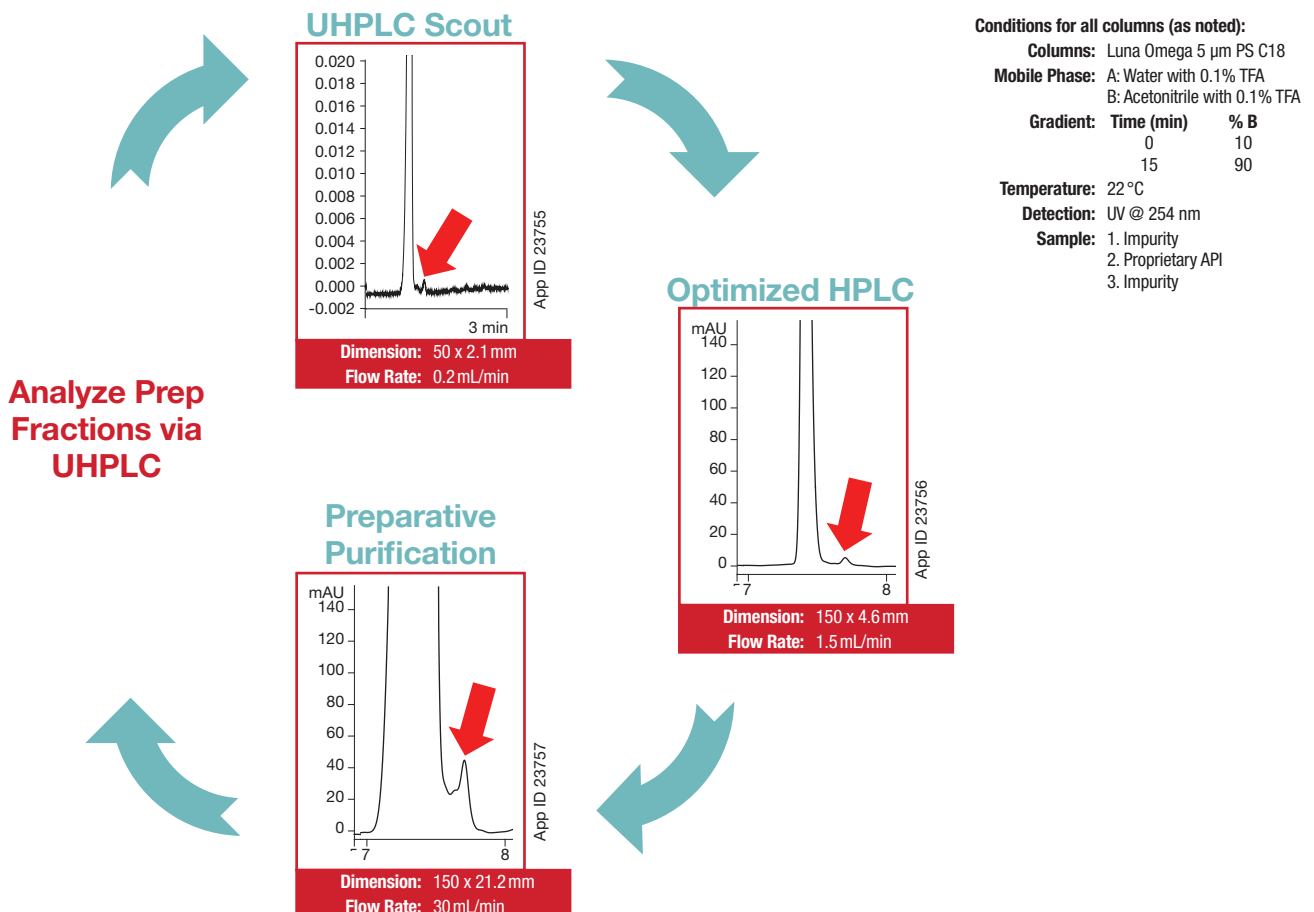
Luna Omega HPLC/UHPLC Columns

The cutting edge thermally modified Luna Omega particle delivers high efficiency, ruggedness, reproducibility, and dependability for a wide range of chromatographic analyses. Luna Omega HPLC and UHPLC columns are built upon more than 20 years of applied knowledge, invention, and customer experience in the manufacture and packing of LC columns. The particle's novel design and proprietary manufacturing process results in greater particle inertness, a stronger particle morphology, and more consistent porosity.

- Greater separation muscle and retention
- Consistent porous structure and elimination of micropores
- Extreme ruggedness and reproducibility

With direct selectivity scalability from Luna Omega 1.6 µm to 5 µm you can fluidly transfer methods from UHPLC platforms to HPLC and preparative instrumentation. Additionally, you can easily go in reverse and use a Luna Omega 1.6 µm to analyze fractions taken from a Luna Omega 5 µm preparative column.

UHPLC to HPLC to PREP



Comparative separations may not be representative of all applications.

www.phenomenex.com/LunaOmega

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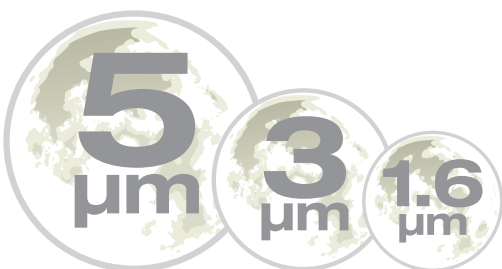
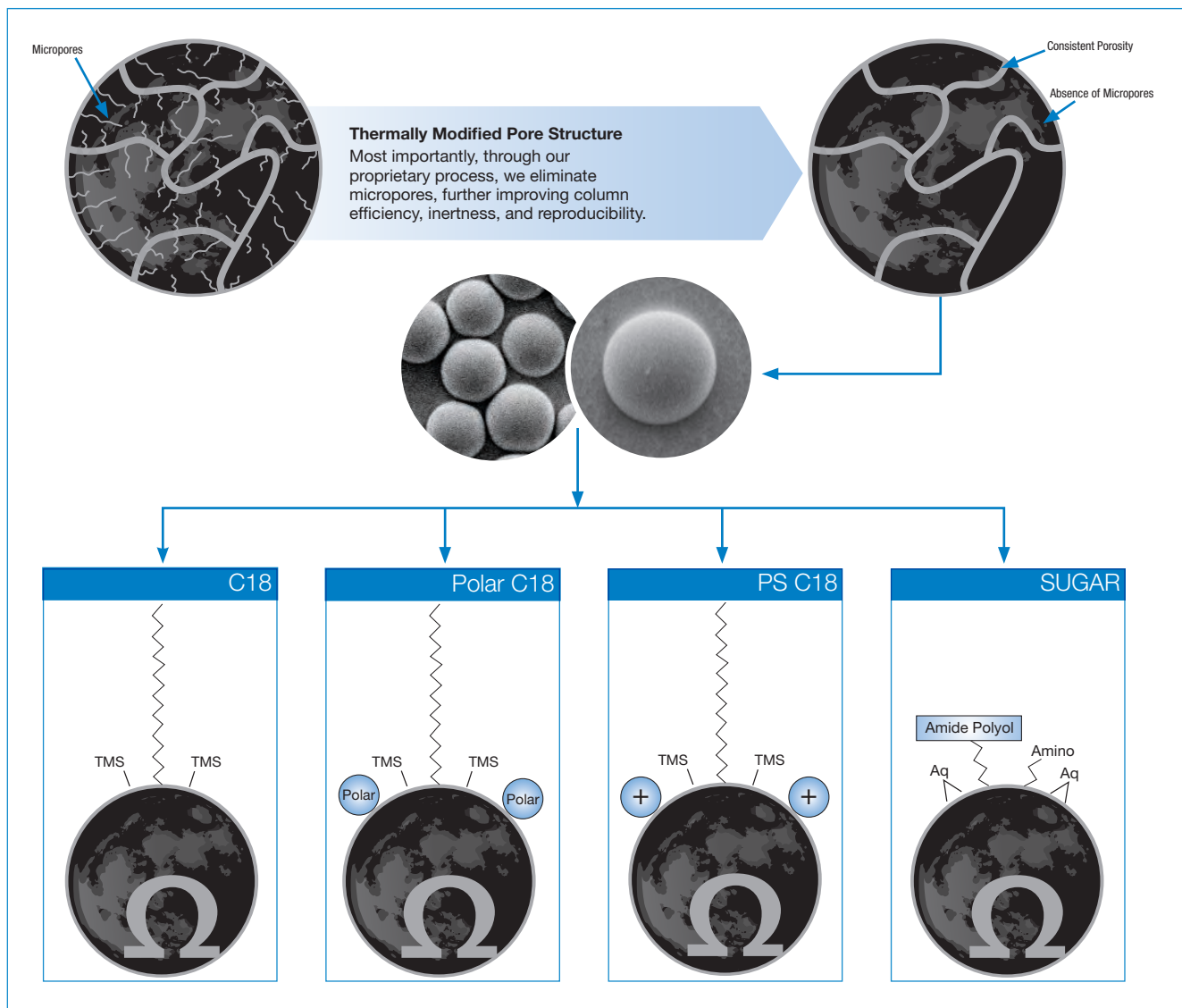
Luna Omega Silica



One of the world's leading HPLC brands, now enhanced for incredible HPLC and UHPLC performance! Luna Omega 1.6, 3, and 5 μm columns culminate 20 years of technological prowess, advancements, and innovation from Phenomenex!

With astounding efficiency levels, highly versatile selectivities, and trusted accuracy, Luna Omega columns will take your chromatographic experience to a new level.

Thermally Modified Fully Porous Particle Technology



Materials Characteristics

Phase	Particle Sizes (μm)	Pore Size (Å)	Surface Area (m^2/g)	Carbon Load (%)	pH Stability	Pressure Limit (bar)	USP Column Classification
C18	1.6, 3, 5	100	260	11	1.5 - 8.5*	1034/600**	L1
PS C18	1.6, 3, 5	100	260	9	1.5 - 8.5*	1034/600**	L1
Polar C18	1.6, 3, 5	100	260	9	1.5 - 8.5*	1034/600**	L1
Luna Omega SUGAR	3	100	260	<2	2.0-7.0	345	L8

*pH stability under gradient conditions. pH stability is 1.5-10 under isocratic conditions.
**1.6 μm Luna Omega columns are pressure stable up to 1034 bar and 3 or 5 μm are stable up to 600 bar.

Subject to Phenomenex Standard Terms and Conditions, which may be viewed at www.phenomenex.com/TermsAndConditions.
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Ordering Information

Buy Luna[®] Omega Now



1.6 μ m Microbore Columns (mm)			
Phases	50 x 1.0	100 x 1.0	150 x 1.0
Polar C18	00B-4748-A0	00D-4748-A0	00F-4748-A0
C18	00B-4742-A0	00D-4742-A0	00F-4742-A0

1.6 μ m Minibore Columns (mm)					SecurityGuard [™] ULTRA Cartridges [‡]
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	3/pk
Polar C18	00A-4748-AN	00B-4748-AN	00D-4748-AN	00F-4748-AN	AJO-9505
PS C18	00A-4752-AN	00B-4752-AN	00D-4752-AN	00F-4752-AN	AJO-9508
C18	00A-4742-AN	00B-4742-AN	00D-4742-AN	00F-4742-AN	AJO-9502

for 2.1 mm ID

3 μ m Minibore and MidBore [™] Columns (mm)								SecurityGuard [™] Cartridges (mm)
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	50 x 3.0	100 x 3.0	150 x 3.0	4 x 2.0* /10 pk
Polar C18	00A-4760-AN	00B-4760-AN	00D-4760-AN	00F-4760-AN	00B-4760-Y0	00D-4760-Y0	00F-4760-Y0	AJO-7600
PS C18	00A-4758-AN	00B-4758-AN	00D-4758-AN	00F-4758-AN	00B-4758-Y0	00D-4758-Y0	00F-4758-Y0	AJO-7605

for ID: 2.0-3.0 mm

3 μ m Analytical Columns (mm)					SecurityGuard [™] Cartridges (mm)
Phases	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	4 x 3.0* /10 pk
Polar C18	00B-4760-E0	00D-4760-E0	00F-4760-E0	00G-4760-E0	AJO-7601
PS C18	00B-4758-E0	00D-4758-E0	00F-4758-E0	00G-4758-E0	AJO-7606

for ID: 3.1-8.0 mm

5 μ m Minibore and MidBore [™] Columns (mm)								SecurityGuard [™] Cartridges (mm)
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	50 x 3.0	100 x 3.0	150 x 3.0	4 x 2.0* /10 pk
Polar C18	00A-4754-AN	00B-4754-AN	00D-4754-AN	00F-4754-AN	00B-4754-Y0	00D-4754-Y0	00F-4754-Y0	AJO-7600
PS C18	00A-4753-AN	00B-4753-AN	00D-4753-AN	00F-4753-AN	00B-4753-Y0	00D-4753-Y0	00F-4753-Y0	AJO-7605

for ID: 2.0 - 3.0 mm

5 μ m Analytical Columns (mm)					SecurityGuard [™] Cartridges (mm)
Phases	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	4 x 3.0* /10 pk
Polar C18	00B-4754-E0	00D-4754-E0	00F-4754-E0	00G-4754-E0	AJO-7601
PS C18	00B-4753-E0	00D-4753-E0	00F-4753-E0	00G-4753-E0	AJO-7606

for ID: 3.1-8.0 mm

5 μ m Axia [™] Packed Preparative Columns (mm)						SecurityGuard [™] Cartridges (mm)	
Phases	150 x 21.2	250 x 21.2	150 x 30	250 x 30	250 x 50	15 x 21.2** /ea	15 x 30.0 [◆] /ea
Polar C18	00F-4754-P0-AX	00G-4754-P0-AX	00F-4754-U0-AX	00G-4754-U0-AX	00G-4754-V0-AX	AJO-7603	AJO-7604
PS C18	00F-4753-P0-AX	00G-4753-P0-AX	00F-4753-U0-AX	00G-4753-U0-AX	00G-4753-V0-AX	AJO-7608	AJO-7609

for ID: 21.2 mm for ID: 30 mm

‡ SecurityGuard ULTRA Cartridges require holder, Part No.: AJO-9000

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

** PREP SecurityGuard Cartridges require holder, Part No.: AJO-8223

◆ PREP SecurityGuard Cartridges require holder, Part No.: AJO-8277



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

