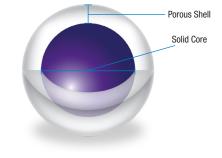


Kinetex Core-Shell Technology HPLC/UHPLC Columns

Kinetex Core-Shell Technology delivers dramatic improvements in efficiency over conventional fully porous media which can be leveraged to increase resolution, greatly improve productivity, reduce solvent consumption, and decrease costs.

Whether you are running HPLC or UHPLC methods, the Kinetex core-shell family can deliver shockingly improved performance over the current column you are using.

- Obtain higher throughput without sacrificing resolution
- Easy method transfer across LC system platforms
- · Reduce solvent consumption with faster analysis
- Reach lower levels of detection and quantitation





Complete Scalable Solution from UHPLC to HPLC to PREP LC

	UHPLC	HPLC	PREP	
				Incredible UHPLC efficiency and performance gains
				20 % higher efficiency than fully porous $1.7\mu\text{m}$ columns
(C)				Achieve sub-2 μm performance on HPLC and UHPLC systems
C.C.				Instantly improve your pharmacopoeia (Ph. Eur. & USP) monographs that require 3.5 µm particle size
m				$3\mu m$ or better efficiencies at $5\mu m$ pressures for HPLC and PREP LC methods

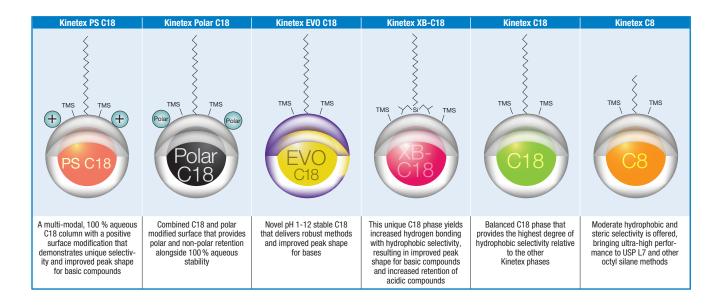


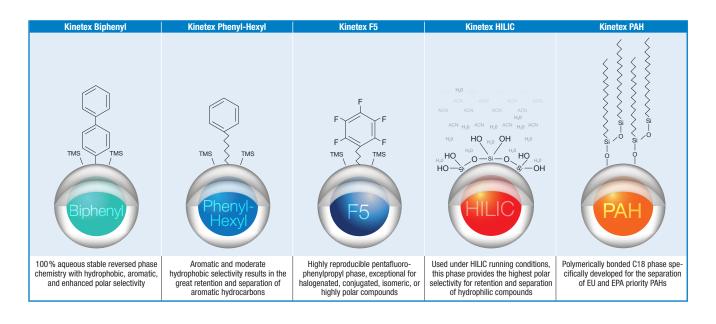


Expand Your Core-Shell Selectivity Toolbox



Kinetex core-shell particle LC columns provide unparalleled performance gains on ANY LC system! Plus, you have your pick of 11 amazing stationary phases and 5 versatile particle sizes.





Material Characteristics

Packing Material	pH Stability	Particle Sizes (µm)	Pore Size (Å)	Effective Surface Area (m²/g)	Effective Carbon Load (%)	USP Classification	Pressure Stability (bar)
Polar C18	1.5-8.5*	2.6	100	200	9	L1	1000/600*
PS C18	1.5-8.5*	2.6	100	200	9	L1	1000/600*
EV0 C18	1-12	5, 2.6, 1.7	100	200	11	L1	1000/600*
C18	1.5-8.5**	5, 2.6, 1.7, 1.3	100	200	12	L1	1000/600*
XB-C18	1.5-8.5**	5, 3.5, 2.6, 1.7	100	200	10	L1	1000/600*
C8	1.5-8.5**	5, 2.6, 1.7	100	200	8	L7	1000/600*
Biphenyl	1.5-8.5**	5, 2.6, 1.7	100	200	11	L11	1000/600*
Phenyl-Hexyl	1.5-8.5**	5, 2.6, 1.7	100	200	11	L11	1000/600*
F5	1.5-8.5**	5, 2.6, 1.7	100	200	9	L43	1000/600*
HILIC	2.0-7.5	5, 2.6, 1.7	100	200	0	L3	1000/600*
PAH	1.5-8.5*	3.5	100	200	12	L118	1000/600*

**Columns are pH stable from 1.5-10 under isocratic conditions. Columns are pH stable 1.5-8.5 under gradient conditions.
*2.1 mm ID Kinetex columns are pressure stable up to 1000 bar. 3.0 mm and 4.6 mm ID Kinetex 2.6 µm columns are stable up to 600 bar. When using Kinetex 1.3 µm

2.1 mm D Kinetex cournins are pressure stable up to 1000 bar. 3.0 mm and 4.0 mm D Kinetex 2.0 µm columns or 1.7 µm, increased performance can be achieved, however high pressure-capable instrumentation is required.

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