

### Harness the Power of Core-Shell Technology on your UHPLC Systems



#### **UHPLC Columns**

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# The Key to Better UHPLC Performance is Core-Shell Technology

Core-Shell Technology products from Phenomenex produce increased efficiencies over traditional, fully porous sub-2 µm columns on the market, yielding remarkable chromatographic resolution, higher peak capacities, and greater sensitivity, so labs can get the most out of every UHPLC analysis.

## The precise architecture of core-shell particles provides dramatic leaps in performance in two important ways:



#### The result is...

#### Kinetex Core-Shell Columns for Small Molecules, page 281

- 2.6 µm core-shell particles that can perform like sub-2µm columns at lower backpressures, allowing for faster flow rates and higher throughput
- 1.7 µm core-shell particles that can provide higher efficiencies compared to fully porous sub-2 µm columns on UHPLC systems
- 1.3 µm core-shell particles offer incredible efficiency gains on high pressure capable UHPLC systems

#### Aeris Core-Shell Columns for Proteins and Peptides, page 286

- 3.6 µm core-shell particles that can perform like sub-2µm columns on UHPLC systems at a fraction of the backpressure, allowing for longer (and coupled) columns to be used for improved resolution
- 2.6 µm and 1.7 µm core-shell particles that can provide higher peak capacities and improved resolution compared to fully porous sub-2 µm columns on UHPLC systems

#### Clarity Oligo-MS Core-Shell Columns for Synthetic DNA/RNA, page 289

- 2.6 µm core-shell particles that can deliver increased efficiencies at reduced backpressures for method flexibility
- 1.7 µm core-shell particles that can provide higher efficiencies compared to fully porous sub-2 µm columns on UHPLC systems