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Phenomenex enhances Kinetex core-shell family

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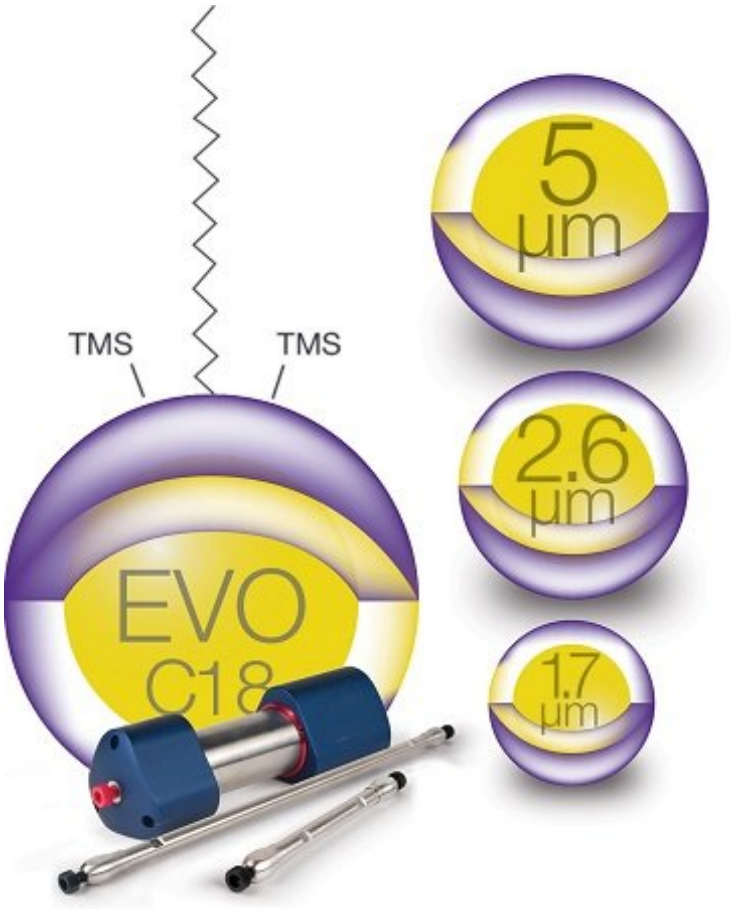

Phenomenex Inc., a global leader in the research and manufacture of advanced technologies for the separation sciences, introduces 2.6Ã?Âµm and 1.7Ã?Âµm EVO C18 particle sizes, expanding the company's Kinetex core-shell column family.

The Kinetex EVO C18 columns provide a unique C18 selectivity offering excellent peak shape for bases, 100 percent aqueous stability and rugged pH stability
from 1 to 12 by incorporating a patented organo-silica grafting process that utilizes uniform stabilizing ethane cross-linking.

Kinetex EVO C18 delivers the performance advantages of Core-Shell Technology at low, neutral and high pH ranges, making it an excellent addition to any lab's current reversed phase column portfolio.

The new, smaller particle sizes extend the versatility and scalability of this media, which was introduced initially in 5Ã?Âµm particles for HPLC and preparative HPLC work. Overall, Kinetex EVO C18 columns are suitable for virtually every industry that relies on chromatography, including pharmaceutical drug discovery and development, clinical research, forensic

toxicology, food safety and quality and environmental analysis.

The rugged EVO C18 columns are an extension of the Phenomenex Kinetex core-shell line, which delivers improved results, increased productivity, easy transferability and significant cost savings compared to traditional HPLC/UHPLC media. The new 2.6Ã?Âµm EVO C18 columns offer performance comparable to sub-2Ã?Âµm fully porous particles on both standard LC and UHPLC systems, but at lower backpressures. The new 1.7Ã?Âµm particle size is designed for use with UHPLC systems and delivers on average 20 percent greater efficiencies than fully porous media. Both of these new particle sizes are directly scalable to each other and to the existing 5Ã?Âµm size, making method transfer between UHPLC, HPLC and preparative HPLC techniques straightforward.

"Customers have been very enthusiastic about the availability of core-shell performance at virtually any pH range," explains Simon Lomas, strategic marketing manager for Phenomenex. "With these two new particle sizes, researchers can now achieve massive performance gains on their UHPLC and HPLC instruments while being able to take full advantage of high, low and medium pH conditions (pH 1-12) to influence selectivity."