



The **SICrom**[™] Accelerated Liquid Chromatograph System

Onyx[™] Advantages & Benefits: Bimodal Pore Structure

Onyx is a silica-based monolithic HPLC column. This technology creates highly porous rods of silica with a revolutionary bimodal pore structure. The single piece of high-purity polymeric silica gel is then clad in PEEK tubing to make the finished product.

Macroporous Structure

Allows rapid flow (up to 9mL/min) at low backpressures

Each macropore is on average 2 μm in diameter and together form a dense network of pores through which the mobile phase can rapidly flow at low pressure dramatically reducing separation time.

Mesoporous Structure

Creates large surface area

The mesopores form the fine porous structure (130 \AA) of the column interior and create a very large surface area on which adsorption and/or partition of the target compounds can occur.

The unique combination of macropores and mesopores enables Onyx monolithic HPLC columns to provide excellent separations in a fraction of the time compared to a standard particle-based column

Please email or phone FIALab Instruments for additional product information.
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