PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

65318-05P

HPLC Column, Zx Similars C18, 3um, 4.6mm ID x 50mm Length. Cogent Brand. 1 EA.



Additional Info

Zx Similars C18™ is a traditional reversed-phase HPLC stationary phase manufactured on high-purity Type-B spherical silica with a fully endcapped octadecyl (C18) bonded phase. Designed as a cost-effective alternative to Agilent Zorbax® C18 columns, it offers comparable chromatographic behavior for USP L1 methods while providing the strong hydrophobic retention, reproducibility, and broad applicability expected from a conventional C18 stationary phase.

65318-05P is a 50 mm x 4.6 mm ID analytical column packed with 3 µm Zx Similars C18 particles. The short 50 mm length is optimized for rapid analyses, fast equilibration, and high-throughput workflows. The 3 µm particle size delivers significantly higher efficiency and improved peak capacity compared to traditional 5 µm columns while generating increased operating pressure that should be considered during method development. Typical operating flow rates are approximately 1.0 – 2.0 mL/min on HPLC systems capable of supporting elevated backpressure.

This USP L1 column is ideal for hydrophobic and neutral compounds requiring strong reversed-phase retention. Common applications include pharmaceutical analysis, long-chain fatty acid...

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
tel. (732) 380-8900, fax (910) 769-9435
Email: info@mtc-usa.com
Website: www.mtc-usa.com