PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-P21-100

Prep HPLC Column, Bidentate C8, 4um, 100A. 21.2mm ID x 100mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 P21 100 Cogent Bidentate C8™ Preparative HPLC Column is a mid length, large diameter preparative column designed for purification workflows requiring both high sample capacity and improved resolving power. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, fast equilibration, and very robust column lifetime under demanding preparative conditions.

The stationary phase consists of an aliphatic C8 hydrocarbon chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This chemistry produces a phase that is more hydrophobic than conventional C8 columns, yet less hydrophobic than Bidentate C18™, making it ideal for hydrophobic molecules, metabolites, and amine containing analytes when C18 is overly retentive.

With a 21.2 /mm internal diameter and 100 /mm length, this column provides increased plate count and improved separation efficiency compared to short 50 /mm preparative formats. This enables better resolution of closely eluting compounds while still supporting large injection volumes and high mass loads for preparative purification.

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