

Technical Notification 0007

SFC meets SEC – 3 Modes in one Application

In this ZIM-Projects (Central Innovation Programme for small and medium-sized enterprises (SMEs)), Dr. Maisch HPLC GmbH cooperated with BÜCHI Labortechnik AG (Flawil), Sepiatec GmbH (Berlin) and Chromicent GmbH (Berlin). In this project it was shown that SEC-columns can be used for the SFC-separation and purification of PEGs in analytical and preparative scale.

ID No.:	0007
Analyte:	Polyethylene glycol (PEG)
Materials:	1) ReproSil 200 SEC, 1.9 µm (P/N: r219.sec.s1546) 2) ReproSil 200 SEC, 5 µm (P/N: r25.sec.s2520)
Column Dimensions:	1) 150 mm x 4.6 mm (analytical) 2) 250 mm x 20 mm (preparative)
SFC-Systems:	Analytical –Waters UPC ² with AcquityELSD (Waters) Preparative –SepiatecSFC-250 with ELSD (Sepiatec)
Software:	Fusion QbDsoftware (S-Matrix Corp.)

Data courtesy of Adrian Schust (Chromicent GmbH), Mijo Stanic (Chromicent GmbH), Holger Gumm (Sepiatec GmbH).

Dr. Maisch products are available globally. For more information contact your Dr. Maisch representative at info@dr-maisch.com.