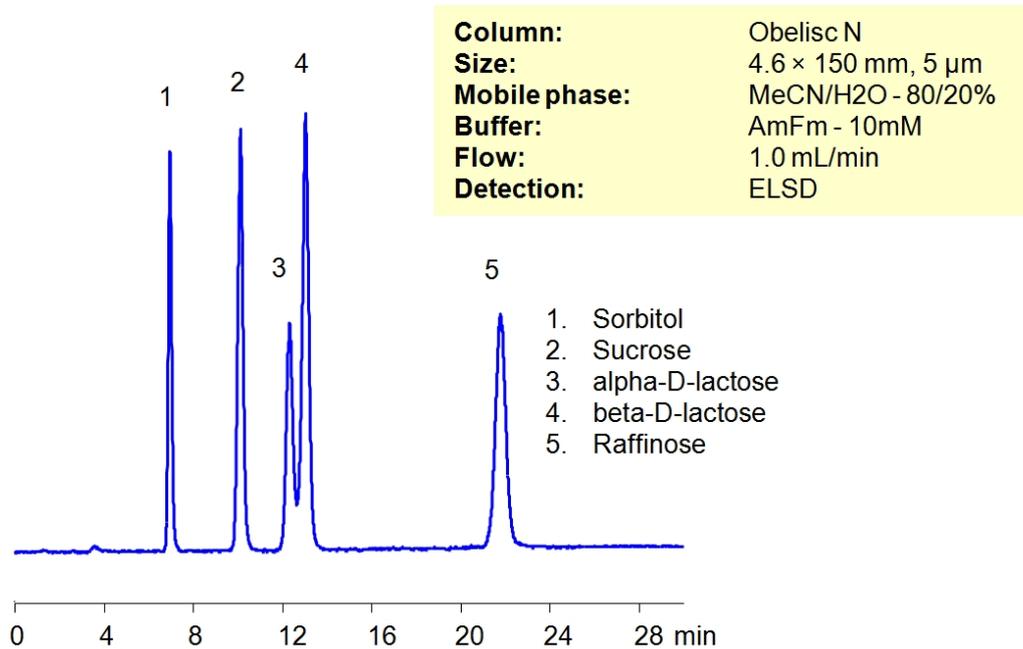


HILIC Separation of Sugars on Obelisc N



Common sugars can be separated on an Obelisc N HILIC/cation-exchange column with LC/MS compatible mobile phase. Highly polar surface of Obelisc N column provides good retention for sorbitol, sucrose, lactose and raffinose. Other sugars can be separated using this column.

SIELC has developed the Obelisc™ columns, which are mixed-mode and utilize Liquid Separation Cell technology (LiSC™). These cost-effective columns are the first of their kind to be commercially available and can replace multiple HPLC columns, including reversed-phase (RP), AQ-type reversed-phase, polar-embedded group RP columns, normal-phase, cation-exchange, anion-exchange, ion-exclusion, and HILIC (Hydrophilic Interaction Liquid Chromatography) columns. By controlling just three orthogonal method parameters - buffer concentration, buffer pH, and organic modifier concentration - users can adjust the column properties with pinpoint precision to separate complex mixtures.

Method Parameters

Column	Obelisc N, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	AmFm
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: <https://sielc.com/Application-HILIC-Separation-of-Sugars-on-Obelisc-N>