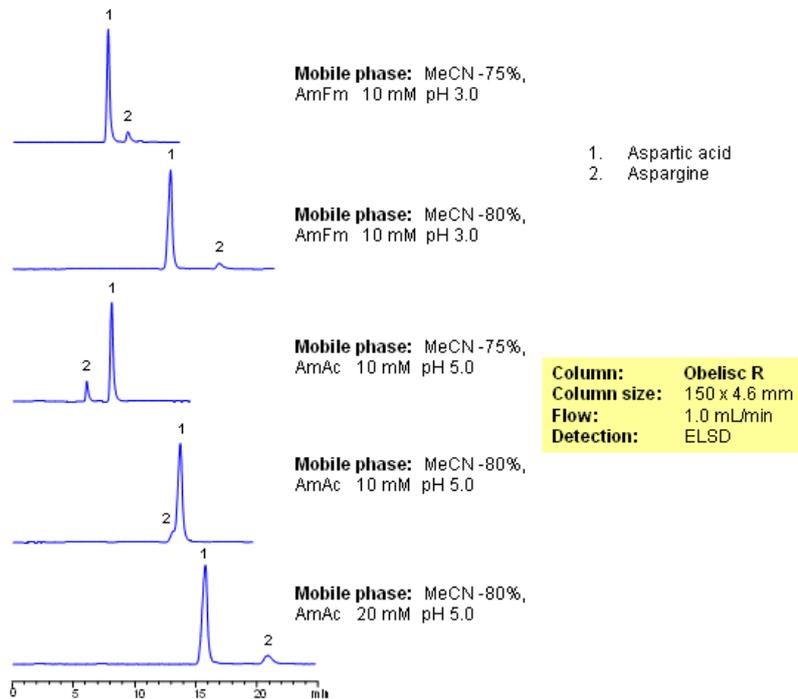


HPLC Separation of Aspartic Acid and Asparagine on Obelisc R Column



Two amino acids, aspartic acid and asparagine, are separated on an Obelisc R column by combination of reverse-phase and ion-exchange mechanism. Method can be used for analysis of these and other underivatized amino acids by HPLC with UV, ELSD, CAD and LC/MS detection.

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 R, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	AmFm, AmAc
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Aspartic-Acid-and-Asparagine-on-Obelisc-R-Column>