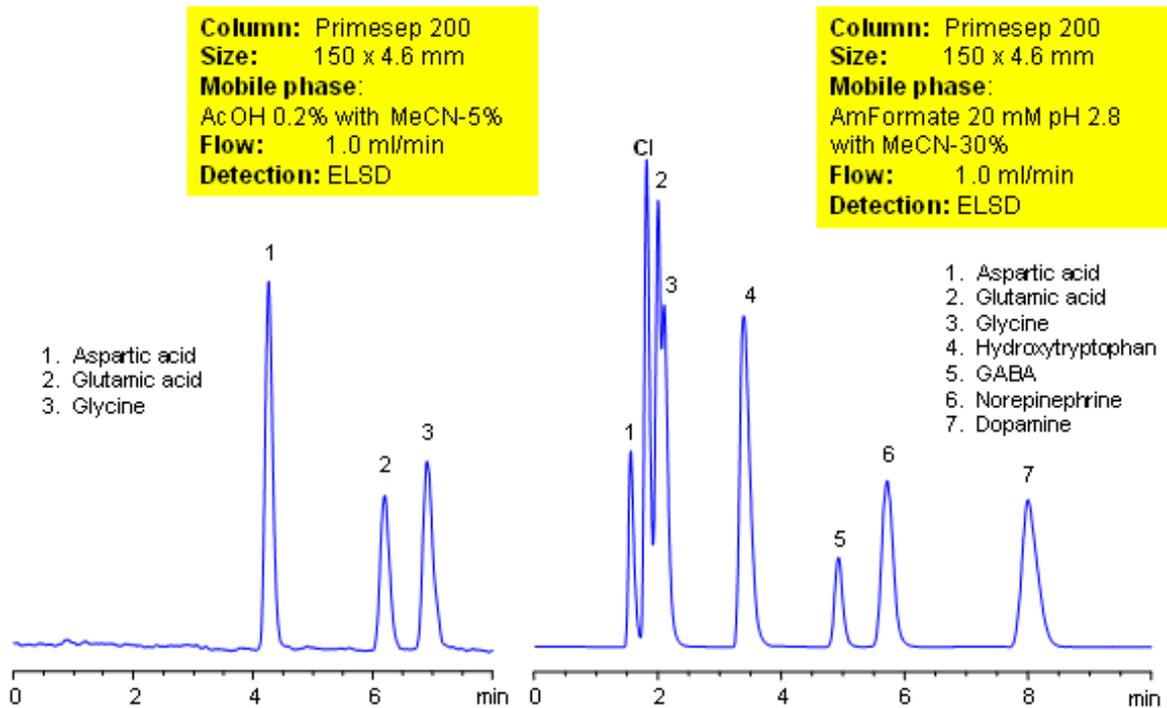


HPLC Separation of Polar Compounds



The separation of amino acids, the building blocks of proteins, can be challenging to separate on a reverse-phase column due to their high polarity. Using a mixed-mode HPLC column, allows the separation of amino acids by cation-exchange and ion-exclusion mechanisms as well as hydrophobicity. Fine tuning of separation can be achieved with changes in organic concentration of the mobile phase as well as choice of buffer and pH.

Method Parameters

Column	Primesep 200, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	AcOH, AmFm
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Polar-Compounds>