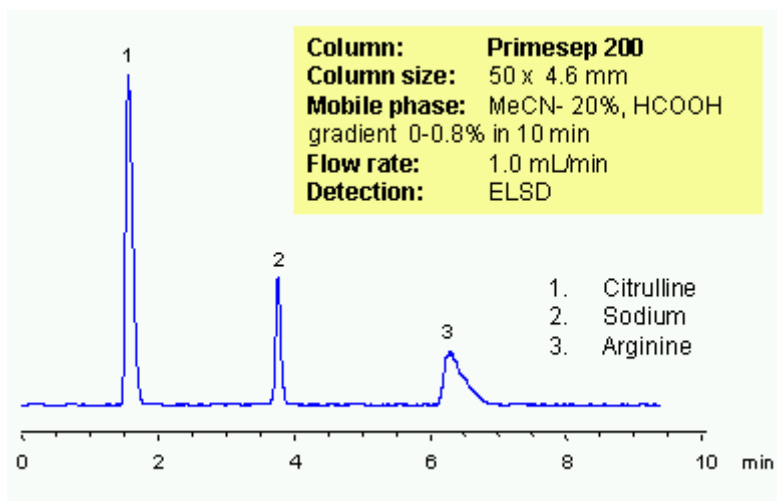


HPLC Separation of Citrulline and Arginine on Primesep 200 Column

<https://sielc.com/Application-HPLC-Separation-of-Citrulline-and-Arginine>

Chromatogram



Description

Citrulline and Arginine are α -amino acids that differ only in one functional group. They can be separated on a reverse-phase Primesep 200 HPLC column by hydrophobic and cation-exchange mechanisms in a mobile phase of water and acetonitrile (MeCN, ACN) with a gradient buffer of formic acid. Evaporative Light Scattering Detector (ELSD) used.

Method Parameters

| | |
|----------------------------|------------------------------|
| Mobile Phase | MeCN/H ₂ O |
| Buffer | Formic Acid |
| Flow Rate | 1.0 ml/min |
| Detection | ELSD |
| Class of Compounds | Ions, Hydrophilic, Ionizable |
| Analyzing Compounds | Sodium, Citrulline, Arginine |

HPLC Column Used

Primesep 200, 4.6x50 mm, 5 μ m, 100A

[Order this column at hplc-shop.de](http://hplc-shop.de) →