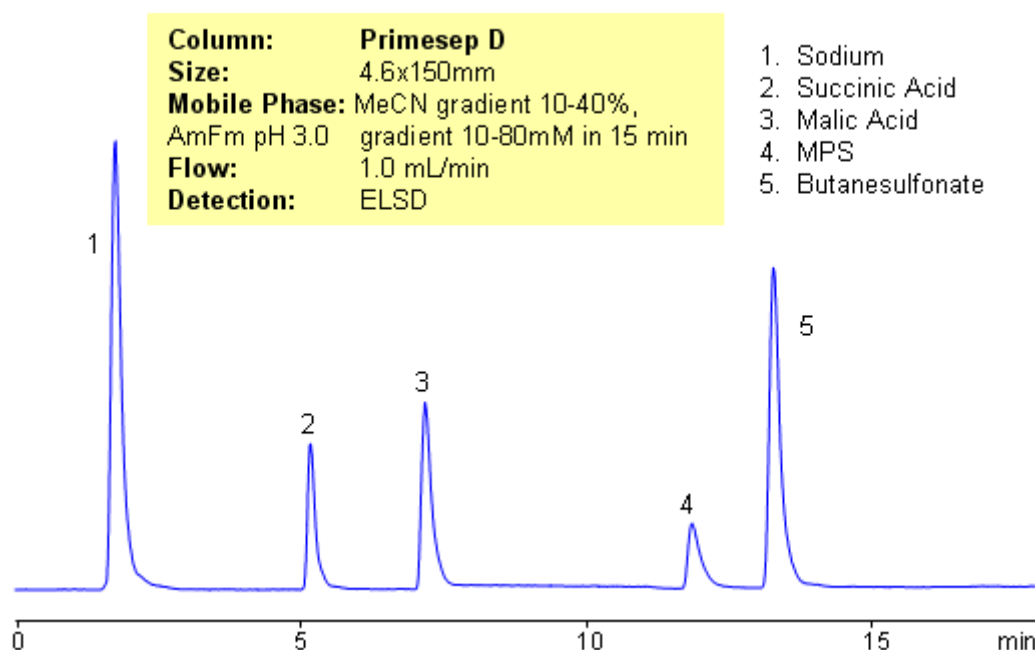


HPLC Separation of Organic Acids

<https://sielc.com/HPLC%20Seperation%20of%20Organic%20Acids>

Chromatogram



Description

Primesep D mixed-mode column separates organic acids such as succinic acid, malic acid, MPS and butanesulfonate by a mixture of anion exchange and reversed phase mechanisms. Retention times can be changed by adjusting the percentage of acetonitrile in the mobile phase. This can not be done by traditional ion-exchange and ion-exclusion chromatography. The HPLC separation uses a mobile phase of water, acetonitrile (MeCN, ACN) and ammonium formate as a buffer, making the method MS-compatible. Can also use UV detection at 250 nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O
Buffer	AmFm
Flow Rate	1.0 ml/min
Detection	ELSD
Class of Compounds	Acid, Hydrophilic, Ionizable
Analyzing Compounds	Sodium, Succinic Acid, Malic Acid, MPS, Butanesulfonate

HPLC Column Used

Primesep D, 4.6×150 mm, 5 µm, 100A

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