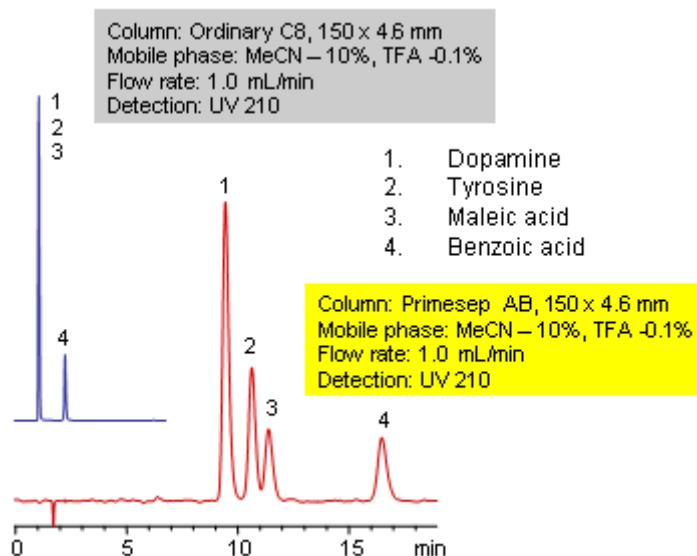


HPLC Analysis of Polar Basic and Acetic Compounds on Primesep AB Column

<https://sielc.com/Application-HPLC-Analysis-of-Polar-Basic-and-Acetic-Compounds-on-Primesep-AB-Column>

Chromatogram



Description

Mixture of polar acidic and basic compounds is separated on a Primesep AB mixed-mode HPLC column. Dopamine and tyrosine are retained by combination of reversed-phase and cation-exchange mechanisms. Maleic acid is retained by anion-exchange mechanism, and benzoic acid is retained by reversed-phase mechanism. Primesep AB is a trimodal column with a C12 hydrophobic chain and cation-exchange and anion exchange groups on the surface. Method utilizes UV detection but can be used with other detection techniques (ELSD, LC/MS, Corona).

Method Parameters

Mobile Phase	MeCN/H2O
Buffer	TFA – 0.1%
Flow Rate	1.0 ml/min
Detection	UV, 210 nm
Class of Compounds	Drug, Acid, Monocarboxylic acid, Hydrophilic, Ionizable, Hormone
Analyzing Compounds	Tyrosine, Dopamine, Maleic Acid, Benzoic Acid

HPLC Column Used

Primesep AB, 4.6x150 mm, 5 µm, 100A

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