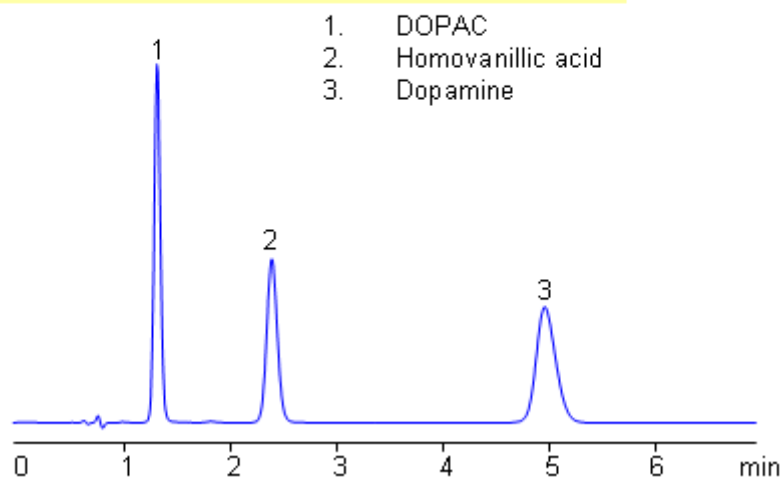


HPLC Separation of DOPAC, Homovanillic Acid and Dopamine on the Primesep 100 Column

<https://sielc.com/HPLC%20Separation%20of%20DOPAC%2C%20Homovanillic%20Acid%20in%20Dopamine%20on%20the%20Primesep%20100%20Column>

Chromatogram

Column: Primesep 100
Mobile phase: 5% MeCN with 30 mM AmFm pH 3.0
Size: 4.6 x 50 mm
Flow: 1.0 mL/min
Detection: UV 270 nm



Description

Application Notes: Neurotransmitters DOPAC, homovanillic acid and dopamine were separated by mixed-mode chromatography on Primesep 100 and Primesep 200 HPLC columns. The method can be used for quantification of neurotransmitters with LC/MS compatible conditions. The compounds are retained by combination of reversed-phase, ion-exchange or ion-exclusion mechanisms. The retention time and selectivity of separation can be adjusted by variation of amount of acetonitrile, buffer pH and buffer concentration.

Application Columns: Primesep 100 · Application compounds: Dopac, Homovanillic Acid, Dopamine · Detection technique: UV, LC/MS, ELSD/CAD

Method Parameters

Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	AmFm pH 3.0- 30 mM
Flow Rate	1.0 ml/min
Detection	UV, 270 nm
Class of Compounds	Drug, Acid, Monocarboxylic acid, Hydrophilic, Ionizable, Hormone
Analyzing Compounds	DOPAC, Homovanillic Acid, Dopamine

HPLC Column Used

Primesep 100, 4.6×50 mm, 5 µm, 100A

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