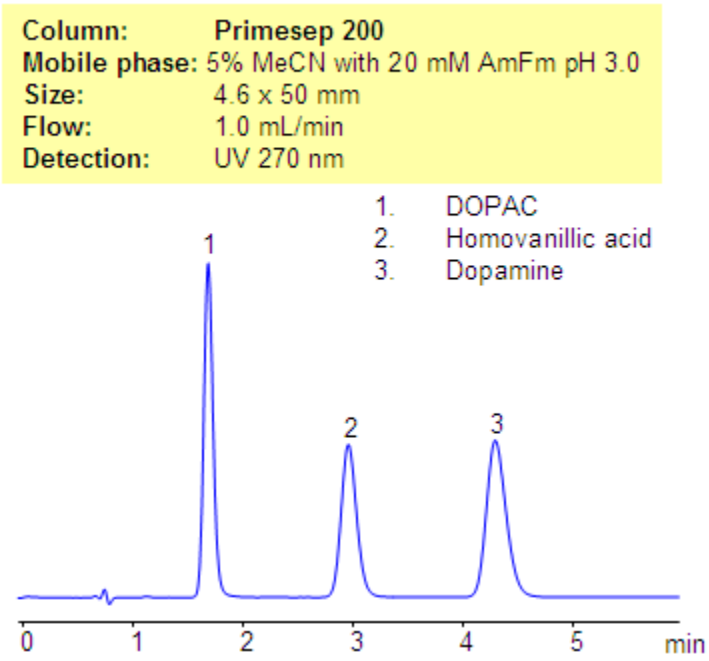
HPLC Separation of DOPAC, Homovanillic Acid in Dopamine on the Primesep 200 Column



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, Primesep 200 Application compounds: Dopac, Homovanillic Acid, Dopamine Detection technique: UV, LC/MS, ELSD/CAD

Method Parameters

Column	Primesep 200, 4.6×50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 5/95%
Buffer	AmFm pH 3.0- 30 mM
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: https://sielc.com/Application-HPLC-Separation-of-DOPAC-Homovanillic-Acid-in-Dopamine-on-the-Primesep-200-Column