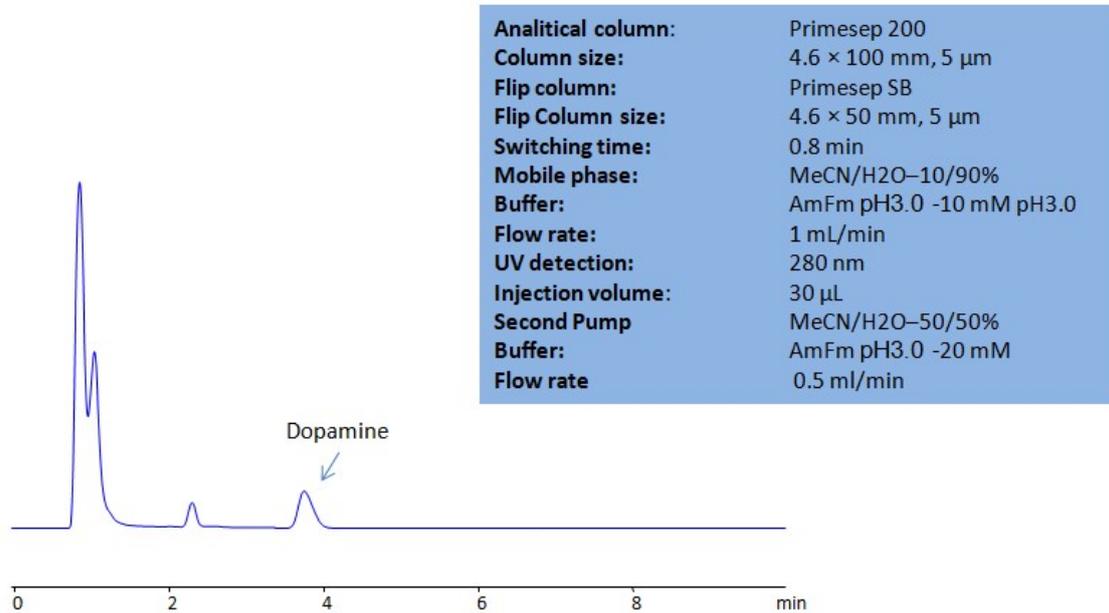


HPLC Determination of Dopamine in Human Plasma Sample



High Performance Liquid Chromatography (HPLC) Method for Analysis of Dopamine .

Dopamine is a neurotransmitter with the chemical formula $C_8H_{11}NO_2$. It is released during pleasurable activities, reinforcing those behaviors, and motivating people to continue seeking them out. Dopamine influences the release of other hormones. A deficiency of it can influence movement and lead to conditions like Parkinson's disease.

FlipLC™ is an alternative method to avoid the interference of most of the contaminants by the use of an isolation column and a high pressure switching valve before the separation column. This method allows sample cleaning and analyte separation in one automated process. The isolation column and the separation column should have orthogonal retention characteristics to operate efficiently in this setup. Mixed-mode columns with reverse phase and ion-exchange characteristics were used in this analysis.

Quelle: <https://sielc.com/hplc-determination-of-dopamine-in-human-plasma-sample>