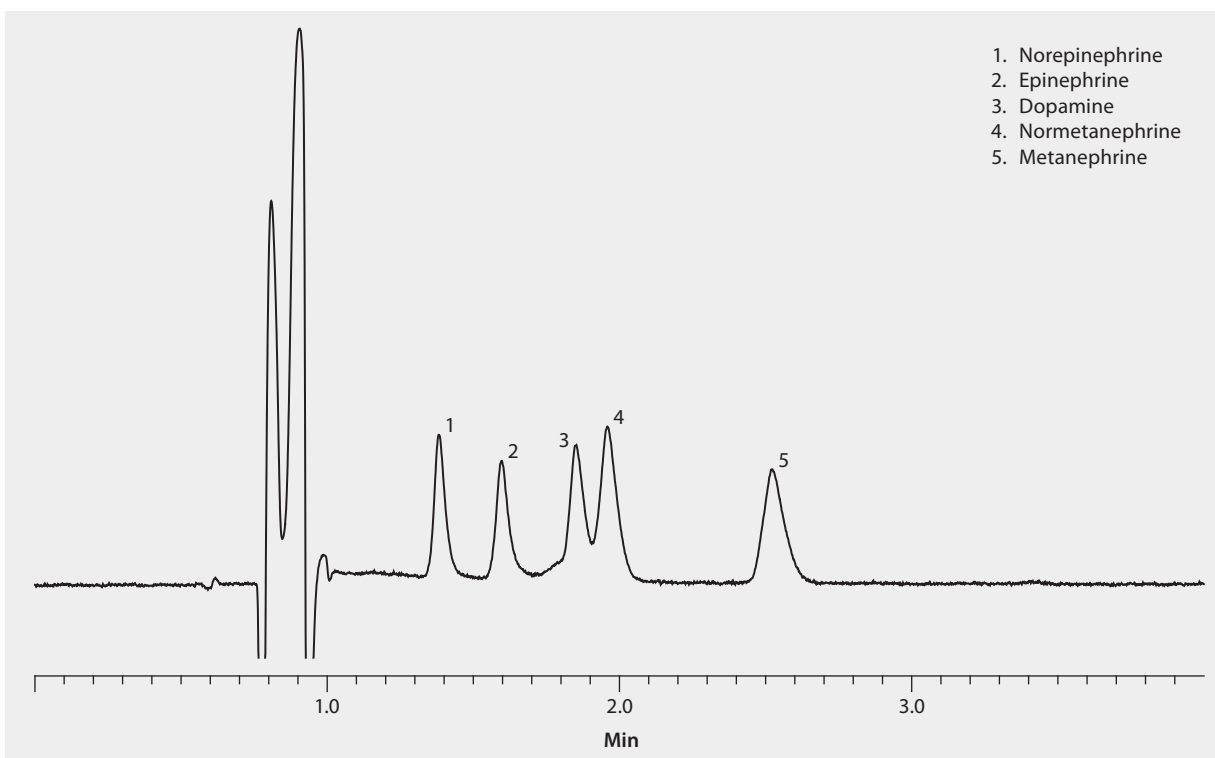


## UHPLC Analysis of Catecholamines on Ascentis® Express 2.7 µm F5

The analysis of catecholamines in a clinical setting is often for the diagnosis of pheochromocytoma (a type of adrenal tumor) in symptomatic people. The analysis shown here on Ascentis Express F5 provides rapid resolution of five common catecholamines.

market focus ..... Clinical Research; Clinical Testing  
 column ..... Ascentis Express F5, 10 cm x 2.1 mm I.D., 2.7 µm particles (53823-U)  
 mobile phase ..... (A) water; (B) 100 mM ammonium acetate (pH 4.1 with acetic acid); (C) acetonitrile; (88:2:10, A:B:C)  
 flow rate ..... 0.3 mL/min  
 pressure ..... 1880 psi (130 bar)  
 column temp. .... 60 °C  
 detector ..... UV, 250 nm  
 injection ..... Catecholamines 25 µg/mL in 90:10, water:methanol  
 Application No. .... [G006281](#)



1. Norepinephrine
2. Epinephrine
3. Dopamine
4. Normetanephrine
5. Metanephrine

**Components**

Catecholamine Mix 1 (Epinephrines) solution ([Cerilliant C-109](#))  
 Dopamine hydrochloride solution ([Cerilliant D-081](#))  
 Catecholamine Mix 2 (Metanephrines) solution ([Cerilliant C-110](#))

**Related Products**

**analytical column**  
 Ascentis® Express C18, 2.7 Micron HPLC Column ([Supelco 53823-U](#))  
**eluent**  
 Acetic acid ([Fluka 49199](#))  
 Acetonitrile ([Fluka 14261](#))  
 Ammonium acetate ([Fluka 73594](#))  
 Water ([Fluka 14263](#))  
**standard**  
 Catecholamine Mix 1 (Epinephrines) solution ([Cerilliant C-109](#))  
 Catecholamine Mix 2 (Metanephrines) solution ([Cerilliant C-110](#))  
 Dopamine hydrochloride solution ([Cerilliant D-081](#))