

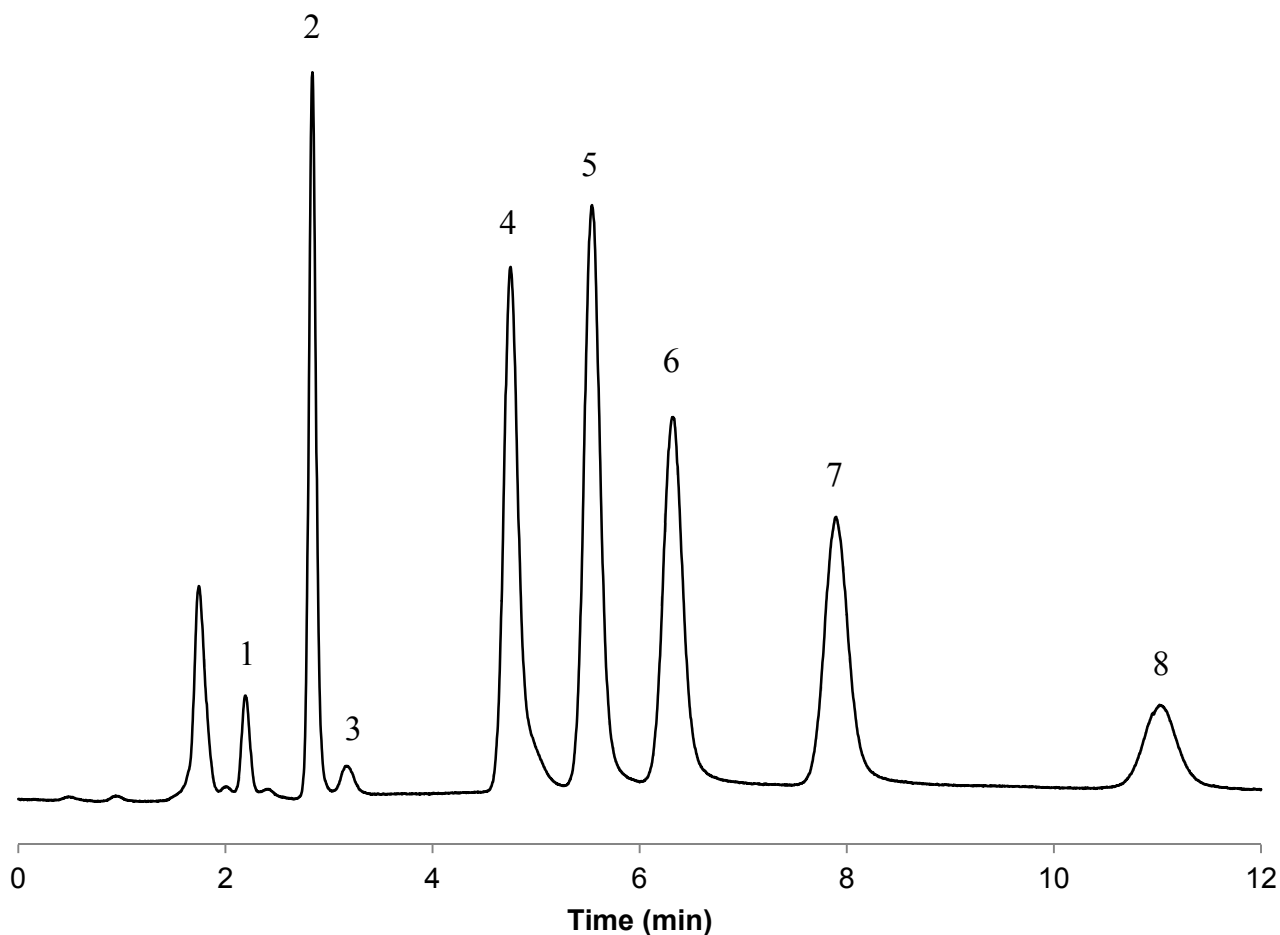
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Inertsil® Applications

Analysis of Catecholamines and their related compounds

Data No. LL026-0000

*The chromatogram was provided by Dr. Makoto Tsunoda,
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Conditions

Column : Inertsil Amide
(5 μ m, 150 x 3.0 mm I.D.)
Column Cat. No. : 5020-07815
Eluent : A) CH₃CN
B) 20 mM NH₄COOH in H₂O (pH 2.5, HCOOH)
A/B = 80/20, v/v
Flow rate : 0.4 mL/min
Col. Temp. : 35 °C
Detection : FL Ex 280 nm Em 320 nm
Injection Vol. : 5 μ L
Sample : Standard solution

Analyte:

1. 3,4-Dihydroxyphenylacetic acid (DOPAC)
2. 3,4-Dihydroxyphenylglycol (DHPG)
3. 3,4-Dihydroxymandelic acid (DHMA)
4. Deoxyepinephrine (N-MeDA)
5. Dopamine (DA)
6. Epinephrine (E)
7. Norepinephrine (NE)
8. 3,4-Dihydroxyphenylalanine (DOPA)
(1 μ mol/L each)