

Morphine and Metabolites on Luna HILIC (direct injection after PPT)

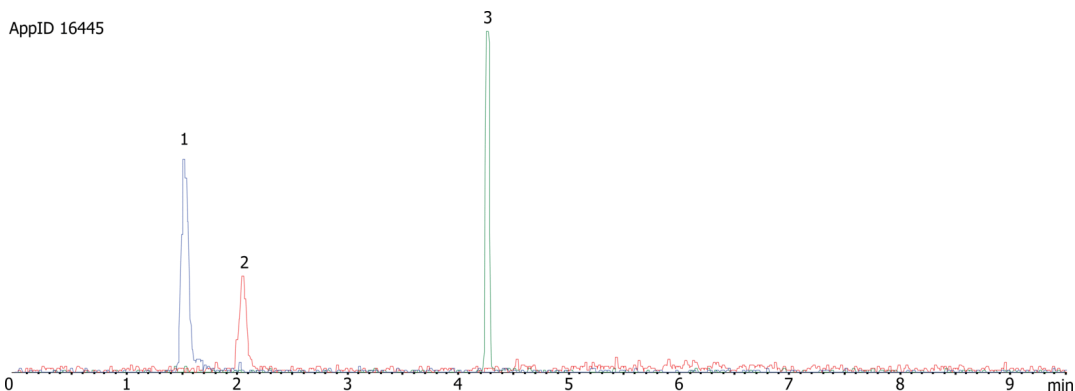
Column: Luna® 3 µm HILIC 200 Å, LC Column 100 x 2 mm, Ea
Dimensions: 100 x 2 mm ID
Order No: 00D-4449-B0
Elution Type: Gradient
Eluent A: Acetonitrile/100 mM Ammonium Formate, pH 3.2 (90:10)
Eluent B: Acetonitrile/100 mM Ammonium Formate, pH 3.2 (50:50)

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	1	100	0
	3	3	0	100
	4	4.5	0	100

Flow Rate: 0.4 mL/min
Col. Temp.: ambient
Detection: Mass Spectrometer (MS) @ amu (ambient)
Detector Info: following 5:1 Acetonitrile/Water PPT, direct injection
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.
 - SecurityGuard Cartridges, HILIC 4 x 2.0 mm, 10/Pk Part No.: AJ0-8328
 - Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

- 1 Morphine
- 2 Normorphine
- 3 Morphine-3-beta-D-glucuronide

