

HPLC Application

ID No.: 17914

Cocaine and Metabolites on Luna HILIC 3u 100x2.0

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: 95/5 ACN/100mM NH₄ Formate pH 3.2

Eluent B: 50/45/5 ACN/H₂O/100mM NH₄ Formate pH 3.2

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	1.7	100	0
	3	4.8	45	55
	4	6.5	45	55
	5	6.6	100	0
	6	12.6	100	0

Flow Rate: 0.4 mL/min

Col. Temp.: ambient

Detection: Mass Spectrometer (MS) @ amu (ambient)

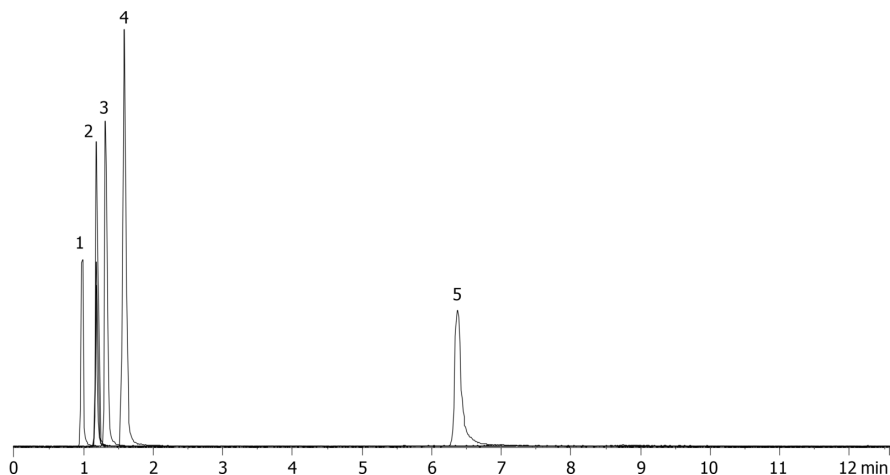
Detector Info: Mass Transitions

Cocaine	304 to 181.9
Norcocaine	290.2 to 168.2 & 290.1 to 136.0
Ecgonine methyl ester	300.2 to 182.1
Benzoyllecgonine	290.2 to 168.2
Ecgonine	186.2 to 168.1

Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, HILIC 4 x 2.0mm, 10/Pk Part No.: AJ0-8328
- Holder Part No.: KJ0-4282

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Products used in this application:



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ANALYTES:

- 1 Cocaine
- 2 Norcocaine
- 3 Ecgonine methyl ester
- 4 Benzoylecgonine
- 5 Ecgonine

