

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)

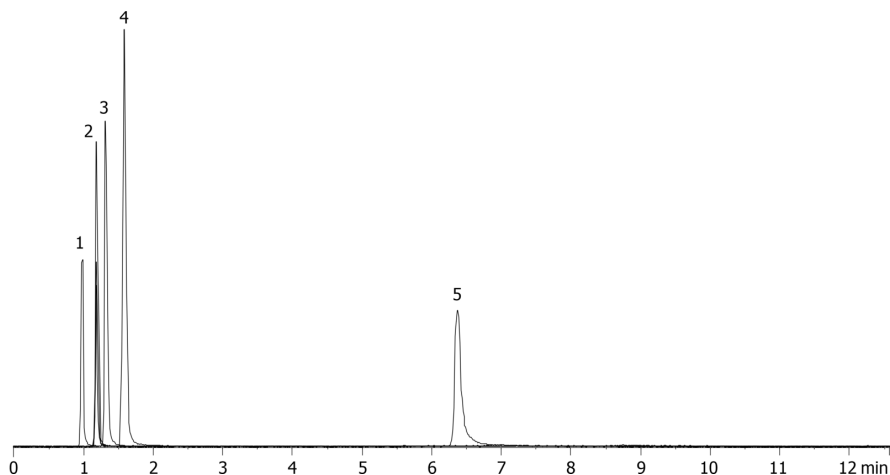
Detector Info: Mass Transitions

| | |
|-----------------------|---------------------------------|
| 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

17914



Products used in this application:



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

ANALYTES:

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

