

HPLC Application

ID No.: 16040

MercuryMS - Luna 3µm C18(2) 20 x 2.0mm for Benzodiazepines in Plasma by LC/MS/MS

Column: Luna® 3 µm C18(2) 100 Å, LC Column 20 x 2 mm, Mercury, Ea

Dimensions: 20 x 2 mm ID

Order No: 00M-4251-B0-CE

Elution Type: Gradient

Eluent A: 0.1% Formic Acid in Water

Eluent B: 0.1% Formic Acid in Acetonitrile

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 85 | 15 |
| | 2 | 1 | 5 | 95 |
| | 3 | 1.01 | 85 | 15 |
| | 4 | 2 | 85 | 15 |

Flow Rate: 0.6 mL/min

Col. Temp.: ambient

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

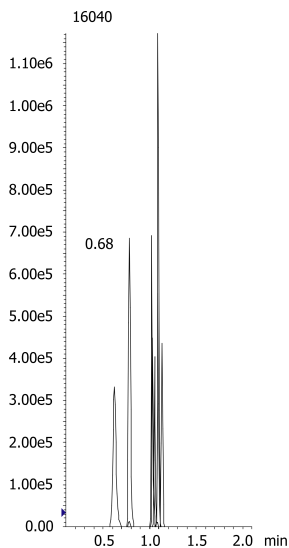
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C8 4 x 2.0mm, 10/Pk Part No.: AJ0-4289

- Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

1 7-Aminoflunitrazepam

Retention Time: 0.52 min

2 Chlordiazepoxide

Retention Time: 0.68 min

3 Oxazepam

Retention Time: 0.92 min

4 Nordazepam

Retention Time: 0.93 min

5 Clonazepam

Retention Time: 0.95 min

6 Temazepam

Retention Time: 0.99 min

7 Flunitrazepam

Retention Time: 0.99 min

8 Diazepam

Retention Time: 1.03 min

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