

HPLC Application

ID No.: 15660

Caffeine & Metabolites, pH 10.0 - Luna 5µm C18(2)

Column: Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4252-E0

Elution Type: Gradient

Eluent A: 20mM NH₄HCO₃, pH 10.0

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	15	80	20

Flow Rate: 1 mL/min

Col. Temp.: 25 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 273 nm (25 °C)

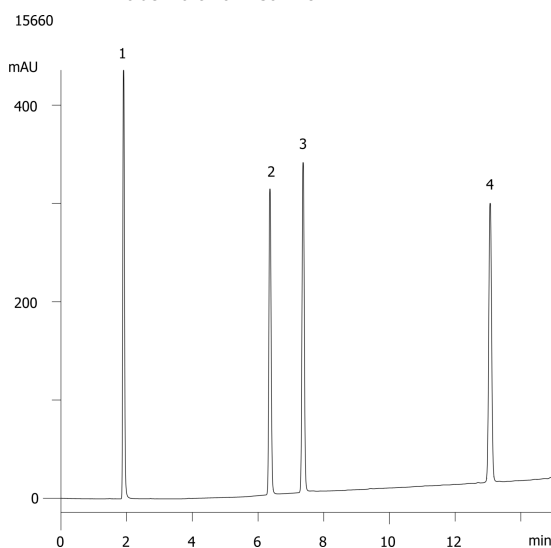
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

- 1** Xanthine
Retention Time: 1.906 min
- 2** Theobromine
Retention Time: 6.361 min
- 3** Theophylline
Retention Time: 7.371 min
- 4** Caffeine
Retention Time: 13.06 min