

HPLC Application

ID No.: 15659

Caffeine & Metabolites, pH 10.0 (Synergi 4µm Fusion-RP)

Column: Synergi[™] 4 µm Fusion-RP 80 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4424-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

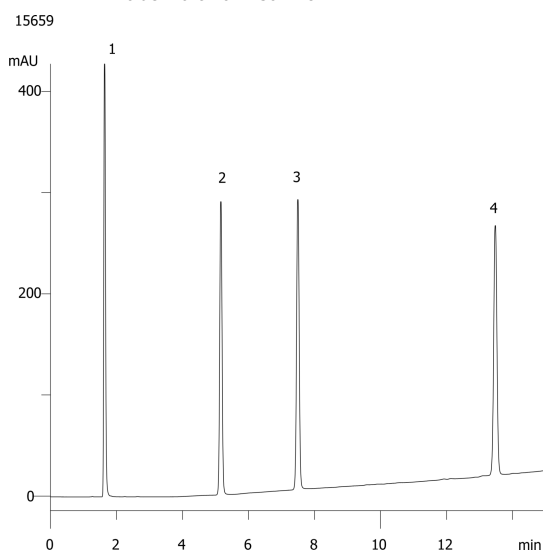
Col. Temp.: 25 °C

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

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

- SecurityGuard Cartridges, Fusion-RP 4 x 3.0mm, 10/Pk Part No.: AJ0-7557

- Holder Part No.: KJ0-4282



ANALYTES:

- 1** Xanthine
Retention Time: 1.639 min
- 2** Theobromine
Retention Time: 5.161 min
- 3** Theophylline
Retention Time: 7.494 min
- 4** Caffeine
Retention Time: 13.48 min

