

# HPLC Application

ID No.: 14547

## Cocaine and Metabolites on Luna SCX

**Column:** Luna® 5 µm SCX 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4398-E0

**Elution Type:** Isocratic

**Eluent A:** 50mM KH<sub>2</sub>PO<sub>4</sub>, pH 2.5

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	65	35

**Flow Rate:** 2 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

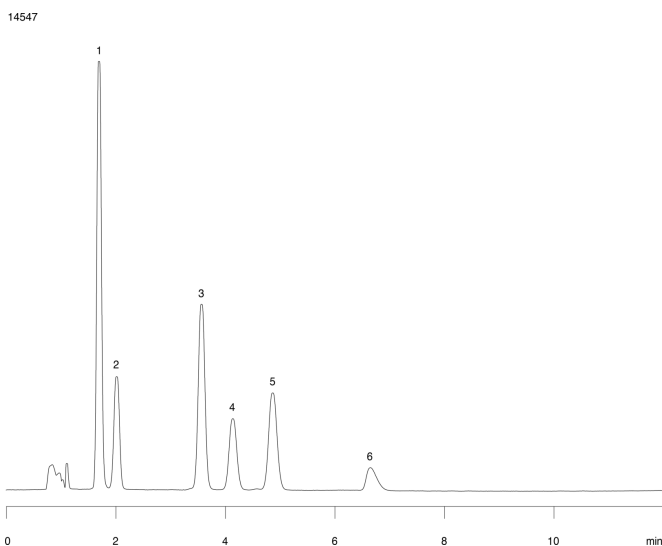
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, SCX 4 x 3.0mm, 10/Pk Part No.: AJ0-4308

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1 m-Hydroxybenzoylecgonine
- 2 Norbenzoyl ecgonine
- 3 Norcocaine
- 4 Benzoyl ecgonine isopropyl ester
- 5 Cocaine
- 6 Ecgonine methyl ester

