

# HPLC Application

ID No.: 1106

## Tricyclic Antidepressants

**Column:** Luna® 3 µm C18(2) 100 Å, LC Column 75 x 4.6 mm, Ea

**Dimensions:** 75 x 4.6 mm ID

**Order No:** 00C-4251-E0

**Elution Type:** Isocratic

**Eluent A:** 10mM K2PO4, pH 7.0

**Eluent B:** Acetonitrile

**Eluent C:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
1	1	0	30	45	25

**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 242 nm (ambient)

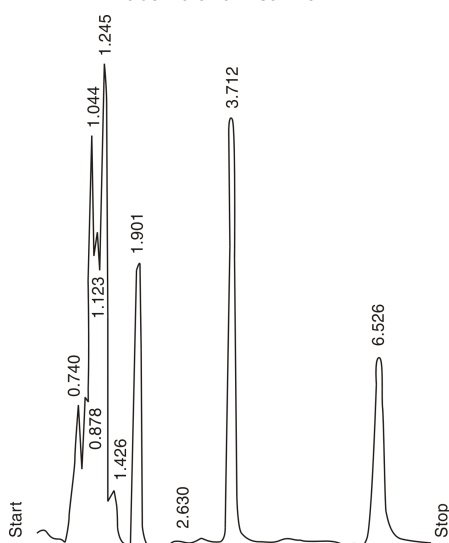
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- 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** Desipramine  
Retention Time: 1.901 min
- 2** Imipramine  
Retention Time: 3.712 min
- 3** Trimipramine  
Retention Time: 6.526 min