

# HPLC Application

ID No.: 10406

## Erythromycins

**Column:** PolymerX<sup>™</sup> 7 µm RP-1 100 Å, LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4327-E0

**Elution Type:** Isocratic

**Eluent A:** Acetonitrile

**Eluent B:** K<sub>2</sub>HPO<sub>4</sub> (1.75g), pH 9.0/Tertiary butyl alcohol/Acetonitrile/Water (50:135:30:755) (v/v/v/v)

**Gradient**

Step No.	Time (min)	Pct A	Pct B
1	0	50	50

**Flow Rate:** 0.8 mL/min

**Col. Temp.:** 75 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 215 nm (ambient)

**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

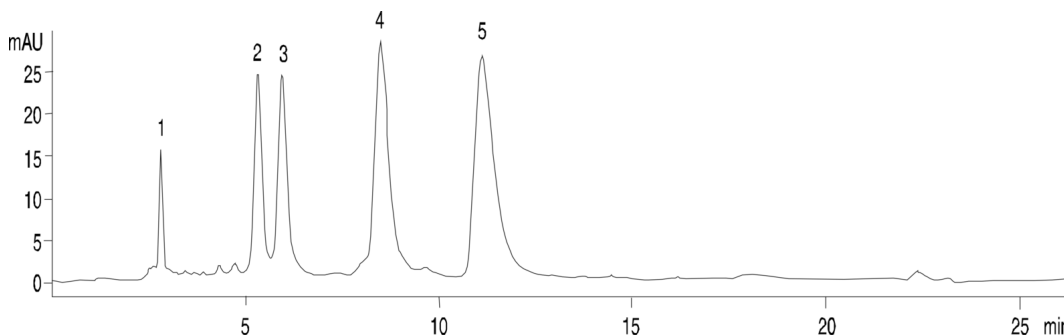
- SecurityGuard Cartridges, RP-1 4 x 3.0mm, 10/Pk Part No.: AJ0-5809

- Holder Part No.: KJ0-4282



Products used in this application:

**PolymerX<sup>™</sup>**



### ANALYTES:

- 1 impurity
- 2 Erythromycin related compound N
- 3 Erythromycin C
- 4 Erythromycin A
- 5 Erythromycin B

