

# HPLC Application

ID No.: 10409

## Tetracyclines

**Column:** PolymerX<sup>™</sup> 5 µm RP-1 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4326-E0

**Elution Type:** Isocratic

**Eluent A:** 50g Tertiary butyl alcohol in water

**Eluent B:** Phosphate buffer, pH 7.5

**Eluent C:** Tetrabutyl ammonium hydrogen sulfate

**Eluent D:** 10mL EDTA disodium solution in water

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C	Pct D
	1	0	20	6	5	69

**Flow Rate:** 1 mL/min

**Col. Temp.:** 60 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 260 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

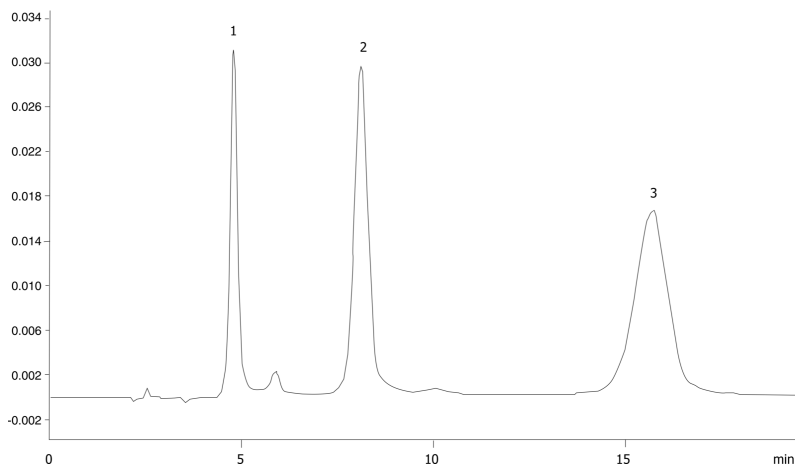
- Holder Part No.: KJ0-4282

10409



Products used in this application:

**PolymerX<sup>™</sup>**



### ANALYTES:

- 1 4-Epioxy tetracycline
- 2 Oxytetracycline
- 3 Tetracycline

