

# HPLC Application

ID No.: 15001

## Estradiol - USP Method

**Column:** Gemini<sup>®</sup> 5  $\mu$ m C18 110  $\text{Å}$ , LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4435-E0

**Elution Type:** Isocratic

**Eluent A:** Water

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	45	55

**Flow Rate:** 1 mL/min

**Col. Temp.:** 25 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 205 nm (25 °C)

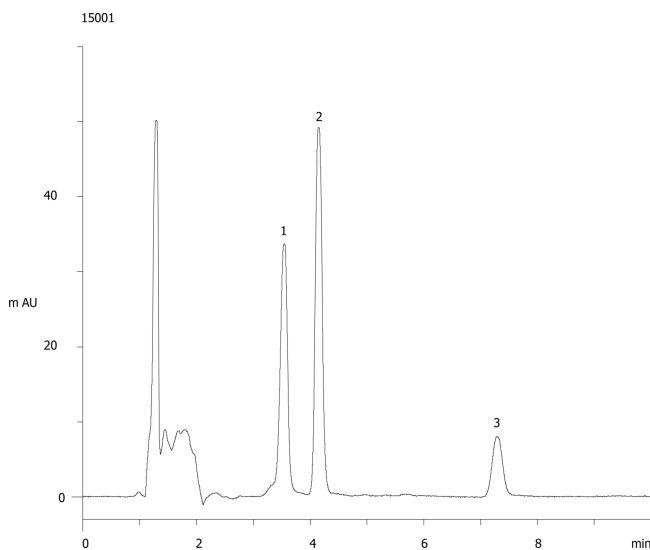
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C18 4 x 3.0mm, 10/Pk Part No.: AJ0-7597

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1** Ethyl paraben  
Retention Time: 3.542 min
- 2** Estrone  
Retention Time: 4.149 min
- 3** Estradiol  
Retention Time: 7.293 min

