

# HPLC Application

ID No.: 20184

## Mephenytoin on Lux 5 $\mu$ m Cellulose-4 in RP

**Column:** Lux<sup>®</sup> 5  $\mu$ m Cellulose-4, LC Column 250 x 4.6 mm, Ea  
**Dimensions:** 250 x 4.6 mm ID  
**Order No:** 00G-4491-E0  
**Elution Type:** Isocratic  
**Eluent A:** MeOH / 20mM NH<sub>4</sub>HCO<sub>3</sub> (70:30) with DEA (0.1%) in buffer

| Gradient        | Step No. | Time (min) | Pct A |
|-----------------|----------|------------|-------|
| <b>Profile:</b> | <b>1</b> | 0          | 100   |

**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

**Detection:** Circular Dichroism @ 0.0000000000 (ambient)

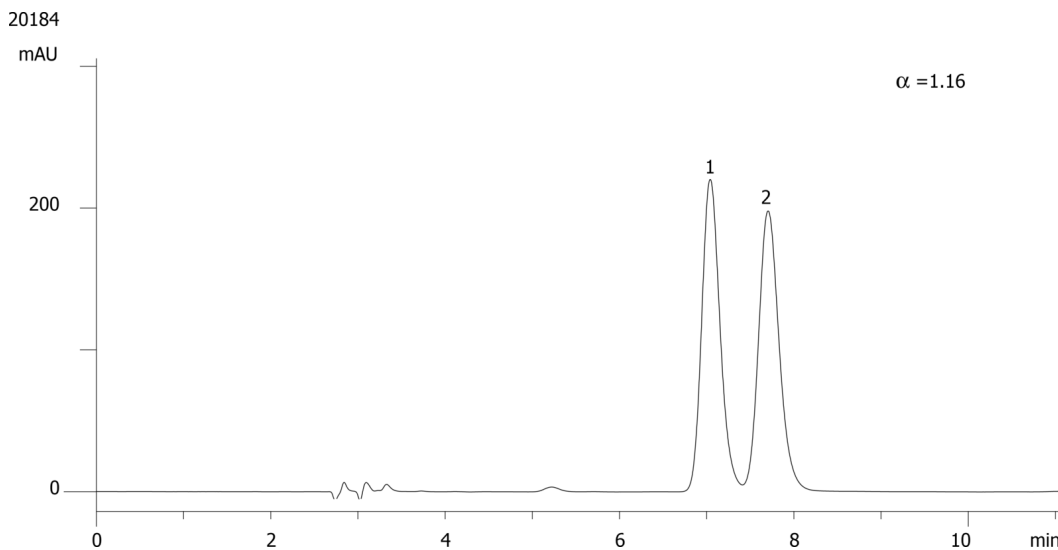
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Lux Cellulose-4 4 x 3.0 mm, 10/Pk Part No.: AJ0-8627

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1** Mephenytoin  
Retention Time: 7.04 min
- 2** Mephenytoin  
Retention Time: 7.7 min

