

# HPLC Application

ID No.: 10251

## Assay for Pseudoephedrine, Chlorpheniramine, and dextromethorphan in Cough and Cold Formulations

**Column:** Prodigy™ 5 µm Phenyl-3 (PH-3) 100 Å, LC Column 150 x 4.6 mm, Ea  
**Dimensions:** 150 x 4.6 mm ID  
**Order No:** 00F-4298-E0  
**Elution Type:** Isocratic  
**Eluent A:** Methanol  
**Eluent B:** Water w/ 2.5 mM monobasic potassium phosphate, 3mM triethylamine, 0.5 mM sodium lauryl sulfate  
**Gradient**

Step No.	Time (min)	Pct A	Pct B
1	0	60	40

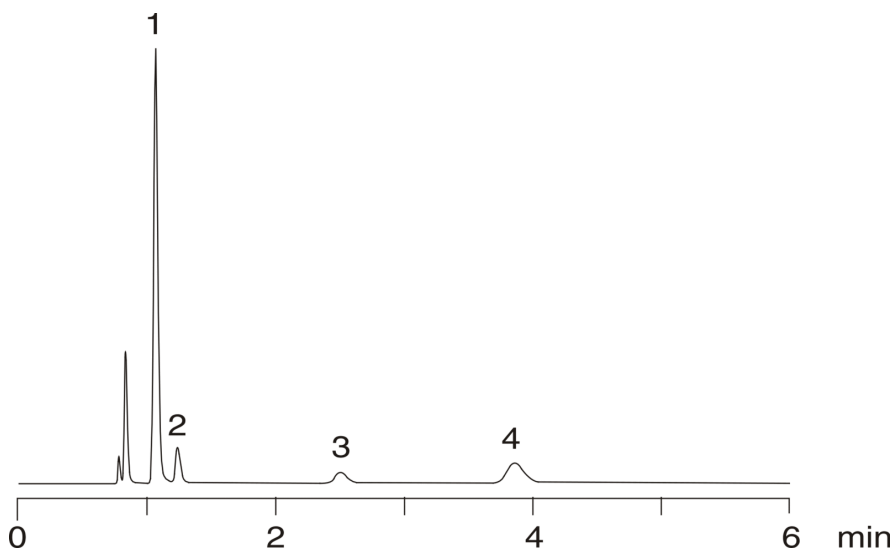
**Profile:**  
**Flow Rate:** 2 mL/min  
**Col. Temp.:** 25 °C  
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 214 nm (ambient)  
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.  
- SecurityGuard Cartridges, Phenyl 4 x 3.0mm, 10/Pk Part No.: AJ0-4351  
- Holder Part No.: KJ0-4282



iosphoric a

Products used in this application:

# Prodigy™



### ANALYTES:

- 1 Acetaminophen
- 2 Pseudoephedrine
- 3 Chlorpheniramine
- 4 Dextromethorphan

