

# HPLC Application

ID No.: 14503

## Water-Soluble Vitamins

**Column:** Luna® 5 µm Phenyl-Hexyl 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4257-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% H<sub>3</sub>PO<sub>4</sub> in water

**Eluent B:** Acetonitrile/0.1% H<sub>3</sub>PO<sub>4</sub> in water

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 98    | 2     |
|                   | 2        | 5          | 98    | 2     |
|                   | 3        | 22         | 72    | 28    |
|                   | 4        | 25         | 72    | 28    |

**Flow Rate:** 0.8 mL/min

**Col. Temp.:** ambient

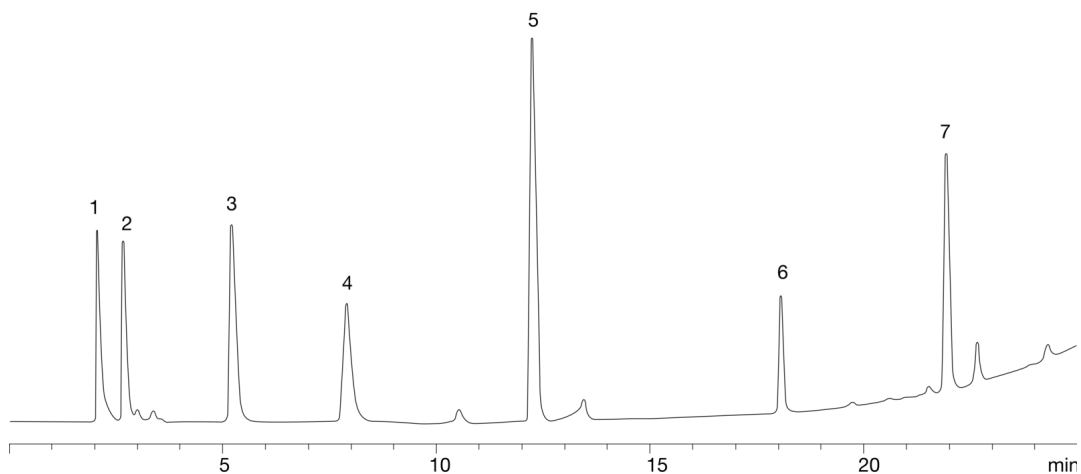
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

**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

14503



### ANALYTES:

- 1 Thiamine
- 2 Niacinamide
- 3 Pyridoxine
- 4 p-Aminobenzoic acid
- 5 d-Pantothenic acid
- 6 Folic acid
- 7 d-Biotin



Products used in this application:

