

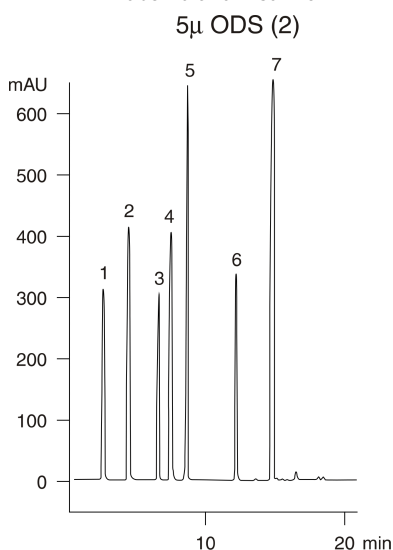
## Water-Soluble Vitamins Chromatographic Comparison

**Column:** Prodigy™ 5 µm ODS-2 150 Å, LC Column 150 x 4.6 mm, Ea  
**Dimensions:** 150 x 4.6 mm ID  
**Order No:** 00F-3300-E0  
**Elution Type:** Gradient  
**Eluent A:** 5 mM Sodium 1-Pentanesulfonate; 0.1% H<sub>3</sub>PO<sub>4</sub> in water  
**Eluent B:** 5 mM Sodium 1-Pentanesulfonate; 0.1% H<sub>3</sub>PO<sub>4</sub> in 80% acetonitrile in water

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 97.5  | 2.5   |
|                   | 2        | 20         | 70    | 30    |

**Flow Rate:** 1 mL/min  
**Col. Temp.:** ambient  
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)  
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287
- Holder Part No.: KJ0-4282



### ANALYTES:

- 1 L-Ascorbic acid
- 2 Niacinamide
- 3 Pyridoxal
- 4 p-Aminobenzoic acid
- 5 Thiamine
- 6 Folic acid
- 7 Riboflavin



Products used in this application:

**Prodigy™**

