

## Water-soluble Vitamins - SphereClone vs. Spherisorb Comparison

**Column:** SphereClone™ 5 µm C8 80 A, LC Column 150 x 4.6 mm, Ea  
**Dimensions:** 150 x 4.6 mm ID  
**Order No:** 00F-4142-E0  
**Elution Type:** Gradient  
**Eluent A:** 5 mM Sodium 1-pentanesulfonate in 0.1% H<sub>3</sub>PO<sub>4</sub>  
**Eluent B:** 5 mM Sodium 1-pentanesulfonate in 0.1% H<sub>3</sub>PO<sub>4</sub> in 80% acetonitrile

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

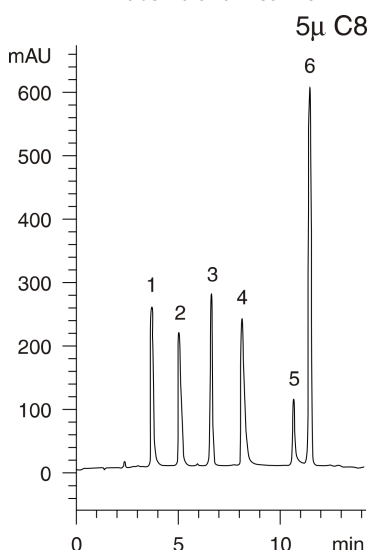
**Flow Rate:** 1 mL/min  
**Col. Temp.:** ambient  
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)  
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C8 4 x 3.0mm, 10/Pk Part No.: AJ0-4290
- Holder Part No.: KJ0-4282



Products used in this application:

**SphereClone™**



### ANALYTES:

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

