

# HPLC Application

ID No.: 14500

## Water-Soluble Vitamins

**Column:** Luna® 5 µm C8(2) 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4249-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 (80:20)

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

**Flow Rate:** 0.8 mL/min

**Col. Temp.:** ambient

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

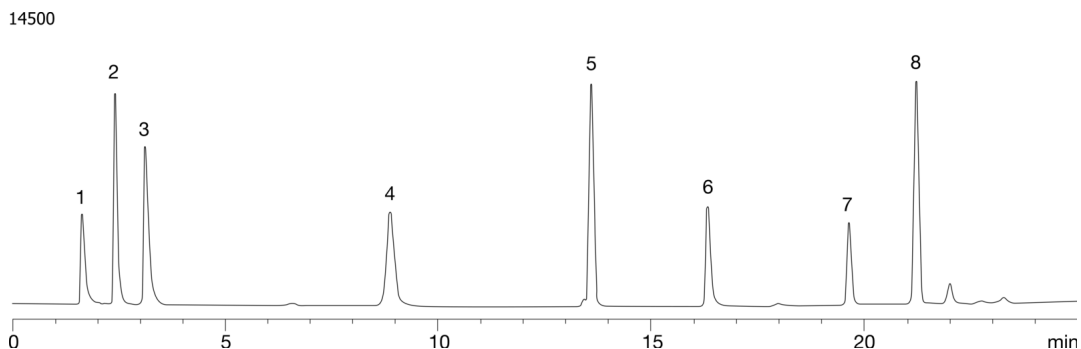
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

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

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

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

