

# 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

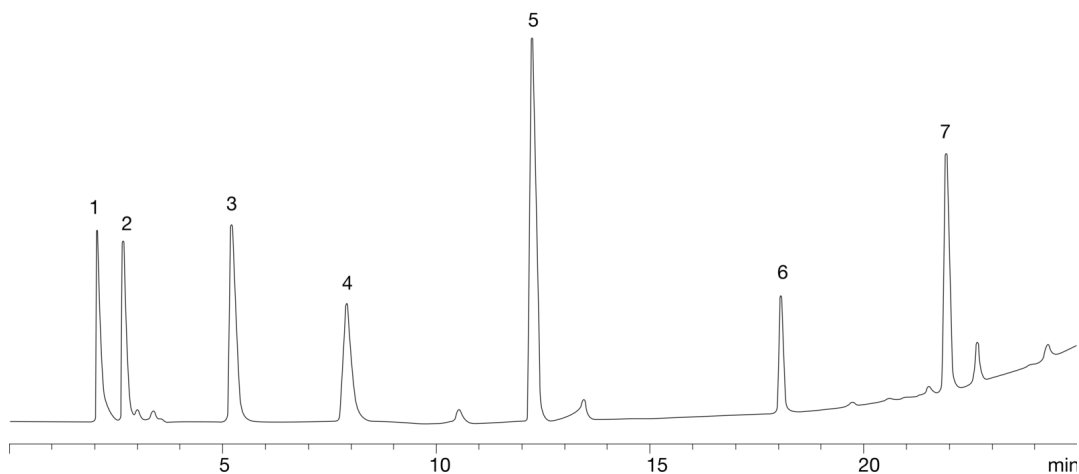
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

**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

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### 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:

