

HPLC Application

ID No.: 10125

Water-Soluble Vitamins on Prodigy 5 ODS (2)

Column: Prodigy[™] 5 μ m ODS-2 150 \AA , 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 IPCC-05 + 0.1% H₃PO₄ in water

Eluent B: 5 mM IPCC-05 + 0.1% H₃PO₄ 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.: 40 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

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

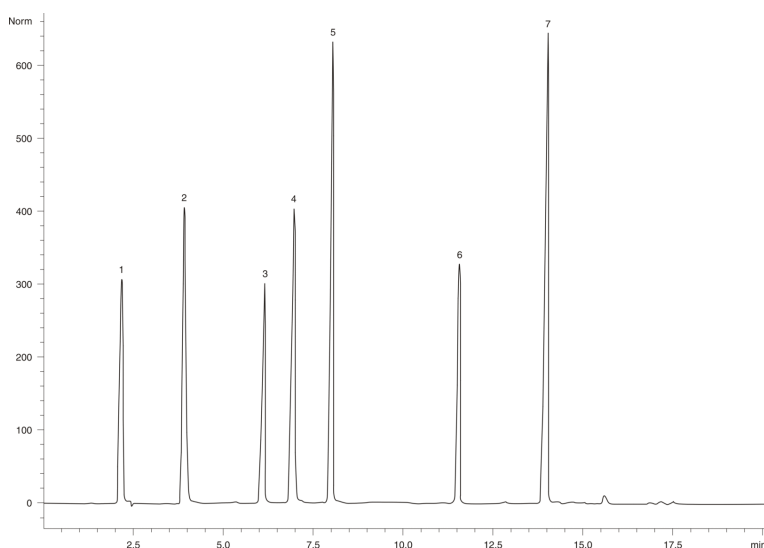
- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:

Prodigy[™]



ANALYTES:

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

