

HPLC Application

ID No.: 20907

Water-soluble Vitamins on Kinetex 2.6u, C18, 150x4.6 by HPLC (#20715)

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4462-E0

Elution Type: Gradient

Eluent A: 3g Sodium 1-hexanesulfonate monohydrate/0.4mL Triethylamine/15mL Acetic acid in 198

Eluent B: Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 95 | 5 |
| | 2 | 12 | 53 | 47 |
| | 3 | 12.1 | 2 | 98 |
| | 4 | 15 | 2 | 98 |
| | 5 | 15.1 | 95 | 5 |
| | 6 | 22 | 95 | 5 |

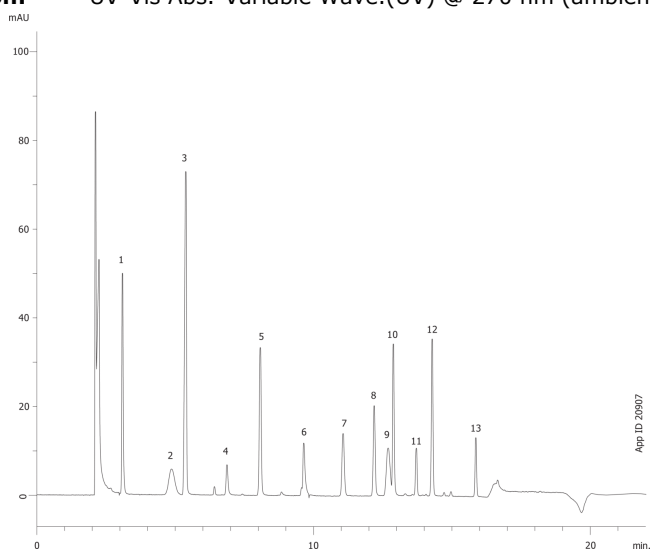
Flow Rate: 0.5 mL/min

Col. Temp.: 25 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 270 nm (ambient)



Products used in this application:



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ANALYTES:

- 1 Ascorbic acid
- 2 Pyridoxal 5'-phosphate
- 3 Nicotinic acid
- 4 4-Pyridoxic acid
- 5 Nicotinamide
- 6 Riboflavin 5'-phosphate
- 7 Pyridoxal
- 8 Pyridoxine
- 9 Cobalamine
- 10 Folic acid
- 11 Pyridoxamine
- 12 Riboflavin
- 13 Thiamine

