HPLC Application

ID No.: **15682**

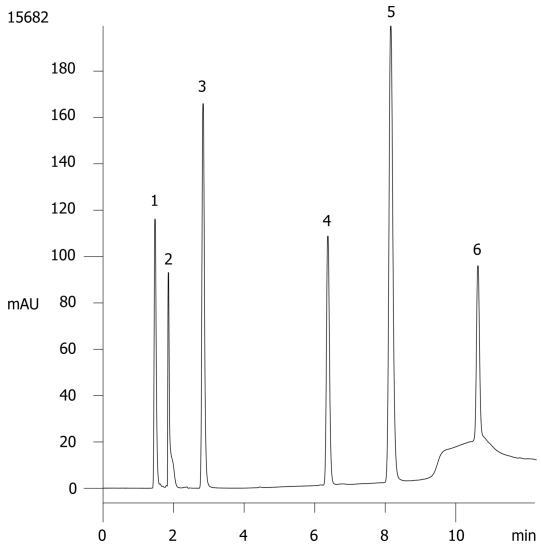
Water Soluble Vitamins - Luna 5µm C18(2)

Products used in this application:

LUNA®

Column:	Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea			
Dimensions:	150 x 4.6 mm ID			
Order No:	00F-4252-E0			
Elution Type:	Gradient			
Eluent A:	20mM Potassium phosphate, pH 3			
Eluent B:	Acetonitrile			
Gradient Profile:	**Step No.**	**Time (min)**	**Pct A**	**Pct B**
	1	0	95	5
	2	15	75	25
Flow Rate:	1 mL/min			
Col. Temp.:	ambient			
Detection:	UV-Vis Abs.-Variable Wave.(UV) @ 214 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



ANALYTES:

1 Thiamine
Retention Time: 1.473 min

2 Ascorbic acid
Retention Time: 1.852 min

3 Niacinamide
Retention Time: 2.835 min

4 Pantothenic acid
Retention Time: 6.371 min

5 p-Aminobenzoic acid
Retention Time: 8.155 min

6 Vitamin B12
Retention Time: 10.63 min

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