

## Water soluble vitamins on Luna HILIC by LC/MS/MS

**Column:** Luna® 3 µm HILIC 200 Å, LC Column 100 x 2 mm, Ea

**Dimensions:** 100 x 2 mm ID

**Order No:** 00D-4449-B0

**Elution Type:** Gradient

**Eluent A:** 60%ACN:40% 100 mM Ammonium Formate, pH 3.2

**Eluent B:** 90:ACN:10% 100 mM Ammonium Formate, pH 3.2

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 0     | 100   |
|                   | 2        | 5          | 0     | 100   |
|                   | 3        | 5.1        | 100   | 0     |
|                   | 4        | 7          | 100   | 0     |
|                   | 5        | 7.1        | 0     | 100   |

**Flow Rate:** 0.5 mL/min

**Col. Temp.:** ambient

**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Detector Info:** <a target="\_blank"

**Analyst Note:** href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX< SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, HILIC 4 x 2.0mm ID, 10/Pk Part No.: AJ0-8328

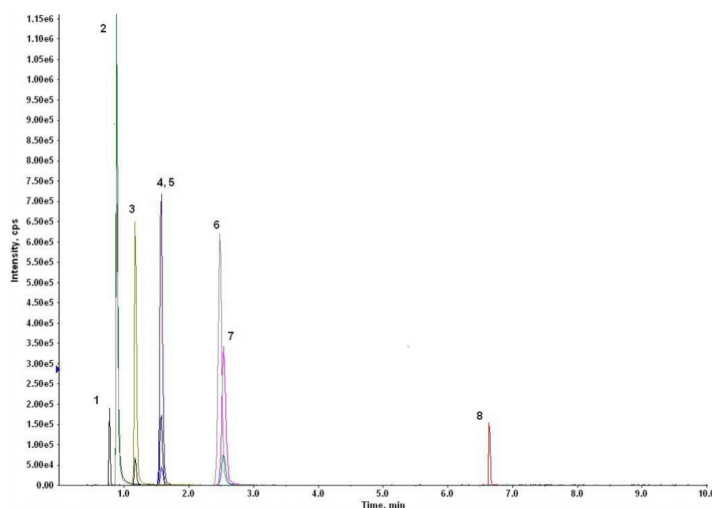
- Holder Part No.: KJ0-4282



Products used in this application:



19723



### ANALYTES:

- 1 Nicotinamide**  
Retention Time: 0.78 min
- 2 Pyridoxine**  
Retention Time: 0.89 min
- 3 Riboflavin**  
Retention Time: 1.17 min
- 4 Thiamine**  
Retention Time: 1.57 min
- 5 Biotin**  
Retention Time: 1.58 min
- 6 Nicotinic acid**  
Retention Time: 2.48 min
- 7 Pantothenic acid**  
Retention Time: 2.54 min

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**8 Folic acid**

Retention Time: 6.64 min  
Phenomenex products are available worldwide.

For more information contact your Phenomenex Representative at [info@phenomenex.com](mailto:info@phenomenex.com)