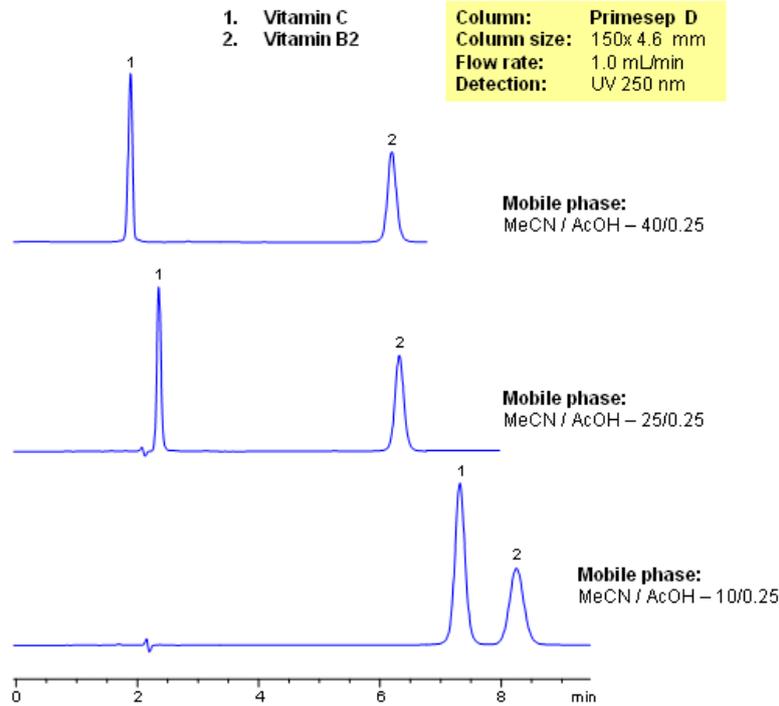


## HPLC Separation of Vitamin C and Vitamin B2



Vitamin C (ascorbic acid) and Vitamin B2 (riboflavin) are water-soluble vitamins that are not stored in the body and must be replaced each day. Primesep D easily resolves Vitamins C and B2 and the elution order can be reversed by adjusting acetonitrile and acetic acid concentrations in the mobile phase. The HPLC separation uses a mobile phase of water, acetonitrile (MeCN, ACN) and acetic acid (AcOH) and UV detection at 250 nm.

### Method Parameters

<b>Column</b>	Primesep D , 4.6x150 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeCN/H2O
<b>Buffer</b>	Acetic Acid
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV, 250 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Vitamin-C-and-Vitamin-B2>