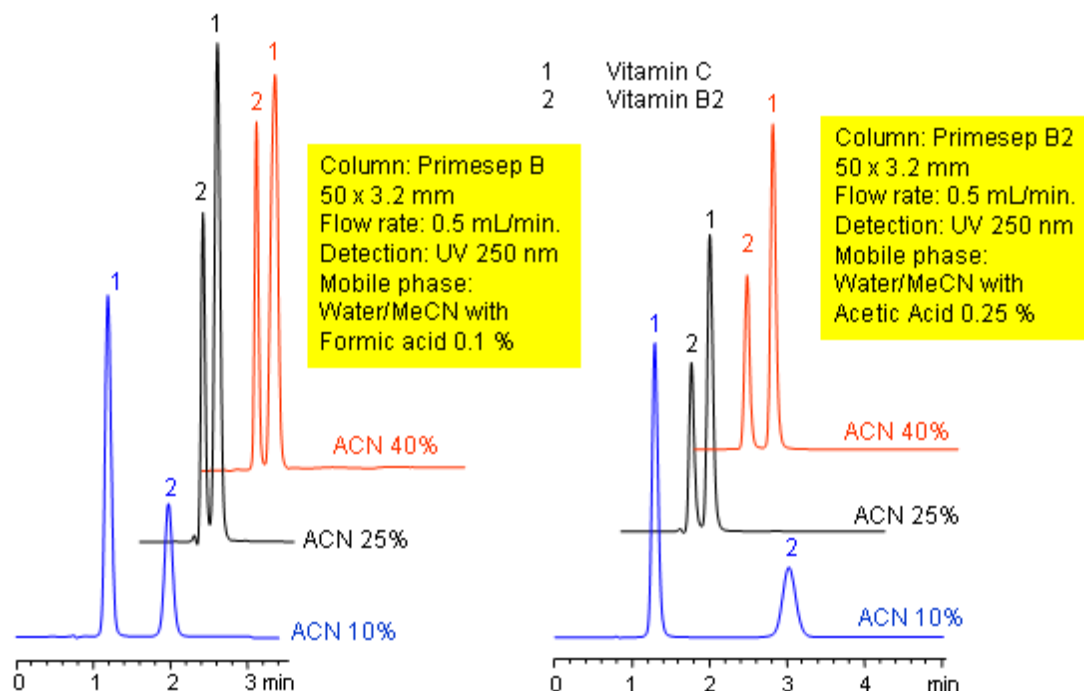


HPLC Separation and Retention of Vitamins in Mixed-Mode on Primesep B



Primesep B and B2 columns separate Vitamins C (ascorbic acid) and B2 (riboflavin) with tunable selectivity. Both columns allow peak order reversal by simply changing the acetonitrile concentration in the mobile phase. Vitamin B2 is especially sensitive to acetonitrile concentration. The HPLC separation uses a mobile phase of water, acetonitrile (MeCN, ACN) and either trifluoroacetic acid (TFA) or acetic acid (HOAc) with UV detection at 250 nm.

Method Parameters

Column	Primesep B, 3.2×50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	Formic Acid, Acetic Acid
Flow Rate	0.5 mL/min
Detection	UV, 250 nm

Quelle: <https://sielc.com/Application-Separation-and-Retention-of-Vitamins-in-Mixed-Mode-HPLC-Primesep-B>