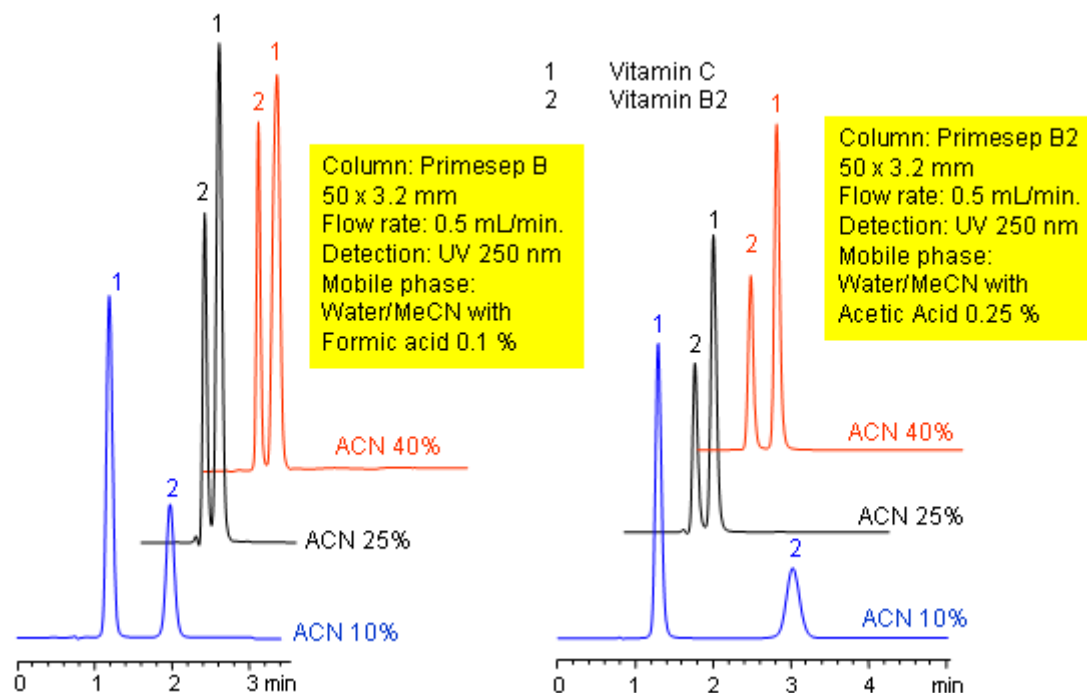


HPLC Separation and Retention of Vitamins in Mixed-Mode on Primesep B

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

Chromatogram



Description

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

Mobile Phase	MeCN/H2O
Buffer	Formic Acid, Acetic Acid
Flow Rate	0.5 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Vitamin B \blacksquare , Hydrophobic, Ionizable
Analyzing Compounds	Vitamins C (ascorbic acid) and B2 (riboflavin)

HPLC Column Used

Primesep B, 3.2x50 mm, 5 μ m, 100A

[Order this column at hplc-shop.de](http://hplc-shop.de) \rightarrow