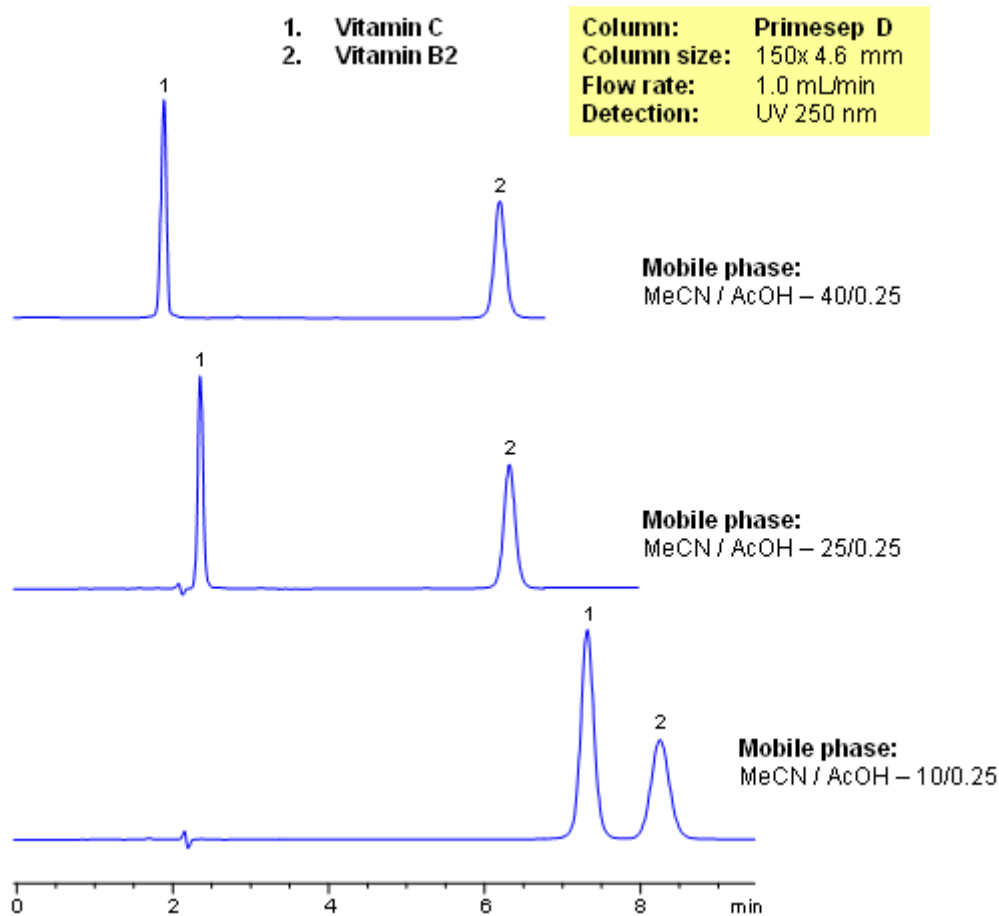


HPLC Separation of Vitamin C and Vitamin B2

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

Chromatogram



Description

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

Mobile Phase	MeCN/H ₂ O
Buffer	Acetic Acid
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Vitamin B ₂ , Hydrophobic, Ionizable
Analyzing Compounds	Vitamins C (ascorbic acid) and B2 (riboflavin)

HPLC Column Used

Primesep D , 4.6×150 mm, 5 µm, 100A

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