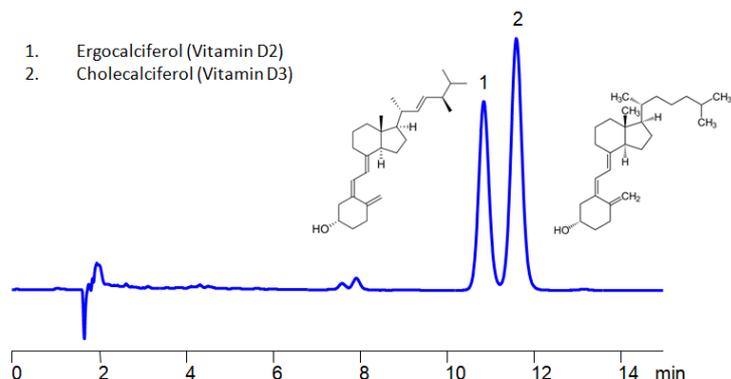


HPLC Method For Analysis of Ergocalciferol (Vitamin D2) and Cholecalciferol (Vitamin D3) on Primesep SB Column



Column:	Primesep SB
Column size:	4.6 × 150 mm, 5 μm
Column part number:	SB-46.150.0510
Mobile phase:	MeCN/H ₂ O – 80/20%
Buffer:	Acetic Acid – 0.1%
Flow rate:	1.0 mL/min
Detection:	UV 265 nm

Ergocalciferol (Vitamin D2) and Cholecalciferol (Vitamin D3) are fat soluble vitamins that help your body absorb calcium and phosphorus. Your body can produce both when exposed to the sun, but you can also intake these essential vitamins through a daily multivitamin or a Vitamin D pill.

Vitamins D2 and D3 can be detected in the high UV regime. Using a Primesep SB reverse-phase column and a mobile phase consisting of water and acetonitrile with an acetic acid buffer, Vitamins D2 and D3 can be retained and separated. This analysis method can be UV detected at 265 nm.

Method Parameters

Column	Primesep SB, 4.6 x 150 mm, 5 μm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 80/20%
Buffer	Acetic Acid – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 265 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-vitamin-d2-and-vitamin-d3>