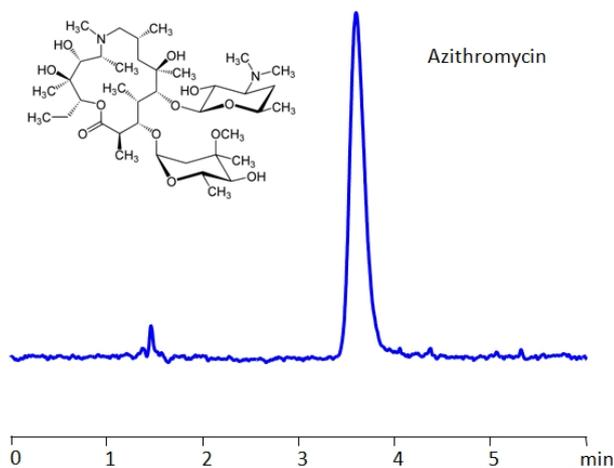


HPLC Determination of Azithromycin on Primesep SB Column



Column:	Primesep SB
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O - 15/85%
Buffer:	Ammonium Formate - 50 mM pH 3.0
Flow rate:	1 mL/min
Detection:	CAD

High Performance Liquid Chromatography (HPLC) Method for Analysis of Azithromycin .

Azithromycin is an antibiotic used in the treatment of various bacterial infections. It is on the WHO's list of essential medicines and is classified as critically important. In reversed-phase HPLC, it generally exhibits significant tailing. The tailing can be substantially reduced by using a mixed-mode Primesep SB column with a simple MS-compatible mobile phase of water, acetonitrile (ACN) and ammonium formate (AmFm) buffer.

Method Parameters

Column	Primesep SB, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 15/85%
Buffer	AmFm pH 3.0 – 50 mM
Flow Rate	1.0 mL/min
Detection	CAD

Quelle: <https://sielc.com/hplc-determination-of-azithromycin>