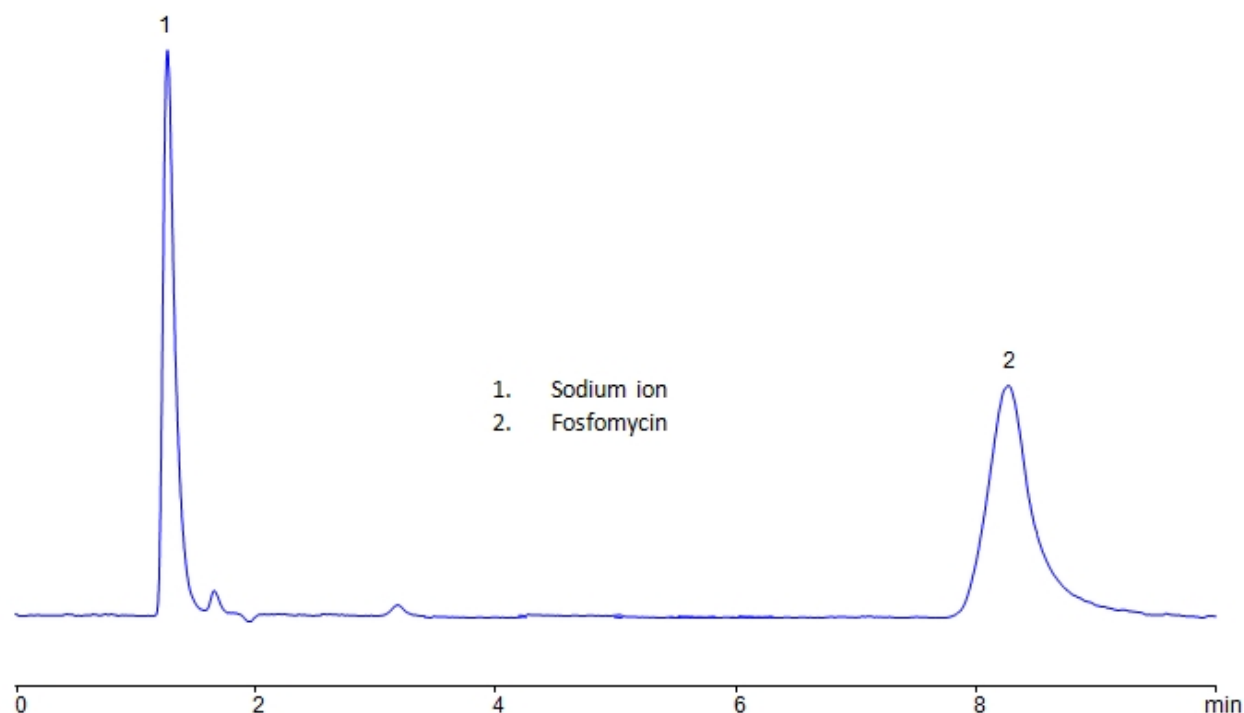


HPLC Determination of Fosfomycin on Primesep SB Column

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

Chromatogram



Column:	Primesep SB
Column size:	3.2 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O - 20/80%
Buffer:	Ammonium Formate - 20 mM pH 3.0
Flow rate:	0.5 mL/min
Detection:	CAD (Corona) (MS-compatible mobile phase)

HPLC Determination of Fosfomycin

Description

Fosfomycin is a broad-spectrum antibiotic consisting of an epoxide ring and a phosphite group. It can be retained on a Primesep SB column in about 8 minutes using an isocratic MS-compatible mobile phase method. Primesep SB is a reverse-phase (RP) mixed-mode column with embedded strong basic ion-pairing groups.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	0.5 ml/min
Detection	CAD (Corona) MS- compatible mobile phase
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Antibiotic
Analyzing Compounds	Fosfomycin

HPLC Column Used

Primesep SB

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