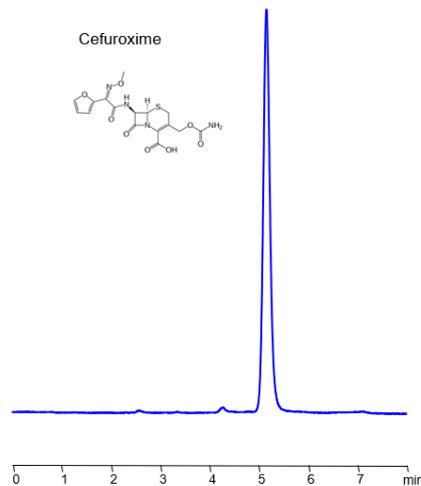


## HPLC Method for Analysis of Cefuroxime on Primesep 100 Column



<b>Column:</b>	Primesep 100
<b>Column size:</b>	4.6 × 150 mm, 5 µm
<b>Column part number:</b>	100-46.150.0510
<b>Mobile phase:</b>	MeCN/H <sub>2</sub> O – 20/80%
<b>Buffer:</b>	H <sub>2</sub> SO <sub>4</sub> – 0.05%
<b>Flow rate:</b>	1.0 mL/min
<b>Detection:</b>	UV 190, 275 nm

Separation type: Liquid Chromatography Mixed-mode

Cefuroxime is a cephalosporin antibiotic used to treat a variety of infections including bronchitis, gonorrhea, and Lyme disease. This antibiotic can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) buffer. This analysis method can be detected in the UV regime at 190 and 275 nm.

### Method Parameters

<b>Column</b>	Primesep 100 , 4.6×150 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 20/80%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.05%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 190, 275 nm

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