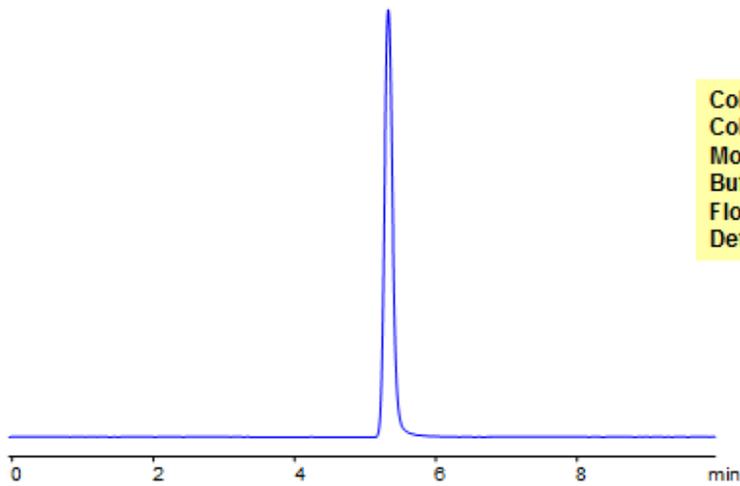


## HPLC Analysis of Cefepime



**Column:** Legacy L1  
**Column size:** 4.6 x 250 mm  
**Mobile Phase:** 10% MeOH,  
**Buffer:** 5 mM NaH<sub>2</sub>PO<sub>4</sub> pH 5.0  
**Flow:** 1.0 mL/min  
**Detection:** 250 nm

Cefepime is a fourth generation cephalosporin antibiotic usually reserved to treat severe nosocomial pneumonia and febrile neutropenia as well as multiple drug-resistant microorganisms such as *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Streptococcus pneumoniae*. Legacy L1 was used to retain Cefepime by reverse phase mechanism. Legacy L1 uses embedded C18 groups on porous silica and is useful for many USP HPLC applications. Comparisons to Phenomenex columns are available by request.

SIELC's family of Legacy columns is based on the United States Pharmacopeia's (USP) published chromatographic methods and procedures. Numerous brands have columns used in USP reference standards and methods. USP has created various designations to group together columns with similar types of packing and properties in the solid phase. SIELC's Legacy columns adhere to these strict requirements and properties, allowing you to easily replace older columns that are no longer available without needing to significantly modify your method or SOPs.

### Method Parameters

<b>Column</b>	Legacy L1, 4.6x250 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeOH – 10%
<b>Buffer</b>	NaH <sub>2</sub> PO <sub>4</sub> pH 5.0- 5 mM
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV, 250 nm

Quelle: <https://sielc.com/Applicatio-HPLC-Analaysis-of-Cefepime>