Cephalosporin antibiotic drugs

Application Note

BioPharma

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Introduction
An Agilent Pursuit 5 µm C8 HPLC material in a ChromSep cartridge separates three cephalosporins in less than six minutes.
Conditions

Technique: HPLC
Column: Agilent Pursuit C8, 4.6 x 150 mm, 5 μ
Part no.: Conventional A3030150X046
             ChromSep Cartridge System A3030150C046
Temperature: Ambient
Eluent:
 A: MeOH
 B: 25 mm KH₂PO₄, pH 3
 A:B 20:80
Flow rate: 1.5 mL/min
Detector: UV @ 230 nm

Peak identification
1. cefadroxil
2. cefaclor
3. cephalexin

![Chromatogram with peaks labeled 1, 2, and 3]