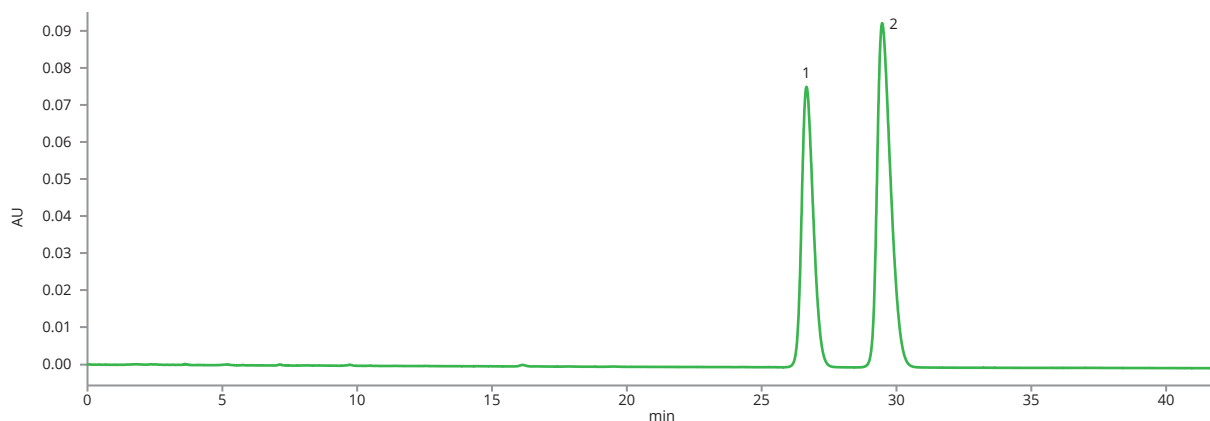


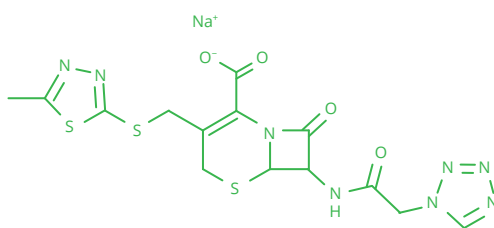
Cefazolin Sodium

Cephalosporin antibiotic cefazolin sodium is widely used in medicine practice. ARION® Polar C18 column provides perfect resolution factor and peaks symmetry according to the pharmacopoeial method for determination of cefazolin sodium.

Substance	Cefazolin sodium, CAS number 27164-46-1
Synonym	Cefazolin



Reference solution (b) on ARION® column



Cefazolin sodium



Cefazolin Sodium

Column	ARION® Polar C18, 5.0 µm
Dimensions	250 mm × 4.6 mm
Part number	ARI-5721-LM46
Mobile phase	A: ACN B: 2.77 g/L disodium hydrogen phosphate dodecahydrate + 1.86 g/L citric acid monohydrate A : B 10/90 (v/v) Isocratic elution
Reference solution (a)	Dissolve 50.0 mg of cefazolin CRS in the mobile phase and dilute to 50.0 mL with the mobile phase
Reference solution (b)	Dissolve 5.0 mg of cefuroxime sodium CRS in 10.0 mL of reference solution (a) and dilute to 100.0 mL with the mobile phase
System suitability	Resolution: minimum 2.0 between the peaks due to cefazolin and cefuroxime in the chromatogram obtained with reference solution (b)
Flow rate	1.0 mL/min
Detection	UV at 270 nm
Injection volume	20 µL
Analytes	1. Cefuroxim 2. Cefazolin