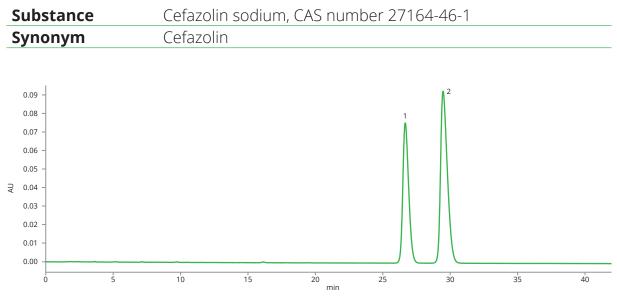
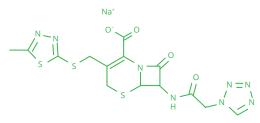
APPLICATION LIST #453

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.



Reference solution (b) on ARION® column



Cefazolin sodium

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APPLICATION LIST #453

Cefazolin Sodium

PEION

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	Dissolve 50.0 mg of cefazolin CRS in the mobile phase and
solution (a)	dilute to 50.0 mL with the mobile phase
Reference	Dissolve 5.0 mg of cefuroxime sodium CRS in 10.0 mL of refe-
solution (b)	rence solution (a) and dilute to 100.0 mL with the mobile phase
System	Resolution: minimum 2.0 between the peaks due to cefazolin
suitability	and cefuroxime in the chromatogram obtained with referen-
	ce solution (b)
Flow rate	1.0 mL/min
Detection	UV at 270 nm
Injection volume	20 µL
Analytes	1. Cefuroxim
	2. Cefazolin

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