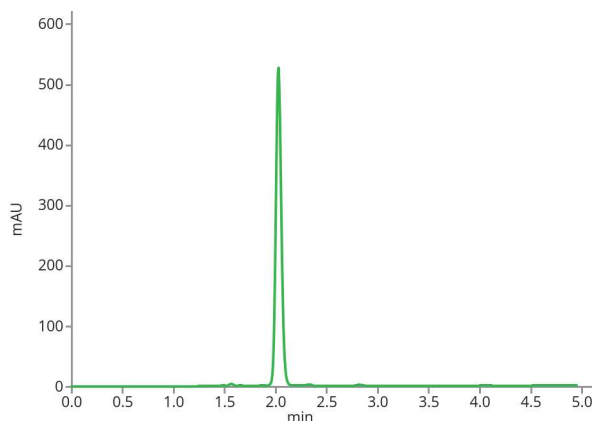


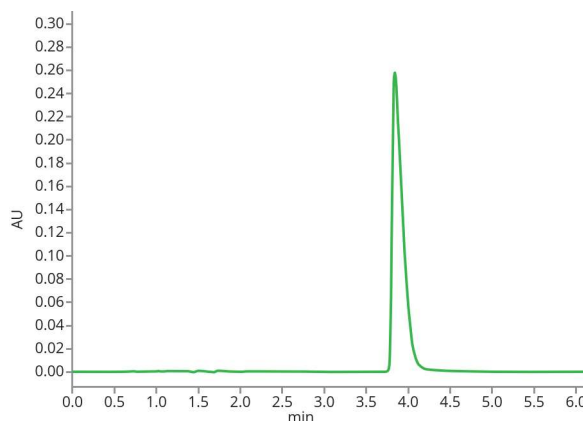
Citrates in Infusion Solution

Citrate is a chemical stabilizer used in infusion solutions. However, infusion of citrate is responsible for a decrease of arterial blood pressure. So, it is very important to keep optimum concentration in citrate infusion.

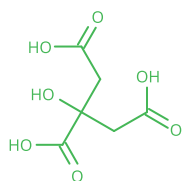
Substance Citric acid, CAS Number 77-92-9
Sodium citrate, CAS Number 18996-35-5



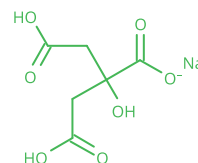
Water for injection on ASTRA® C18-HE column



Water for injection on competitive column
(Competition S)



Citric acid



Sodium citrate



Citrates in Infusion Solution

Column	Astra® C18-HE, 5 µm
Dimensions	250 mm × 4.6 mm
Part number	AST-5732-LM46
Mobile phase	Phosphate buffer 20mM, pH 2.0 : ACN 9010 (v/v) Isocratic elution
Flow rate	1.5 ml/min
Temperature	30 °C
Injection volume	2.5 µl
Detection	UV @210 nm
Analytes	1. Citrate (sample composition: Citric acid monohydrate 3.27 g, Sodium citrate dihydrate 26.3 g, Glucose monohydrate 25.5 g, Sodium dihydrogen phosphate monohydrate 2.22 g)