

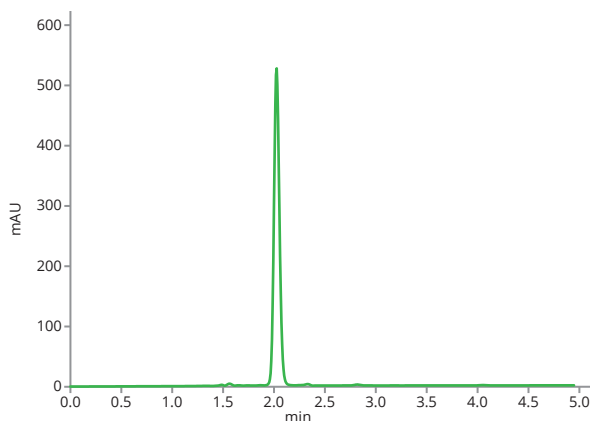
## Citrates in Infusion Solution

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.

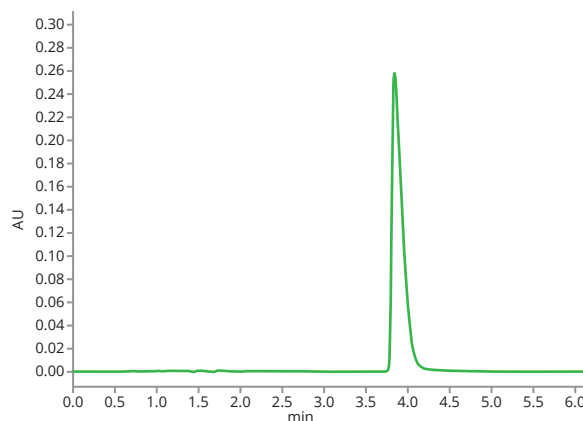
### Substance

Citric acid, CAS Number 77-92-9

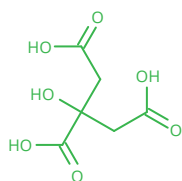
Sodium citrate, CAS Number 18996-35-5



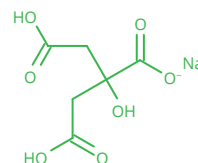
Water for injection on ASTRA® C18-HE column



Water for injection on competitive column  
(Competition S)



Citric acid



Sodium citrate



## Citrates in Infusion Solution

<b>Column</b>	Astra® C18-HE, 5 µm
<b>Dimensions</b>	250 mm × 4.6 mm
<b>Part number</b>	AST-5732-LM46
<b>Mobile phase</b>	Phosphate buffer 20mM, pH 2.0 : ACN 9010 (v/v) Isocratic elution
<b>Flow rate</b>	1.5 ml/min
<b>Temperature</b>	30 °C
<b>Injection volume</b>	2.5 µl
<b>Detection</b>	UV @210 nm
<b>Analytes</b>	<b>1. Citrate</b> (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)