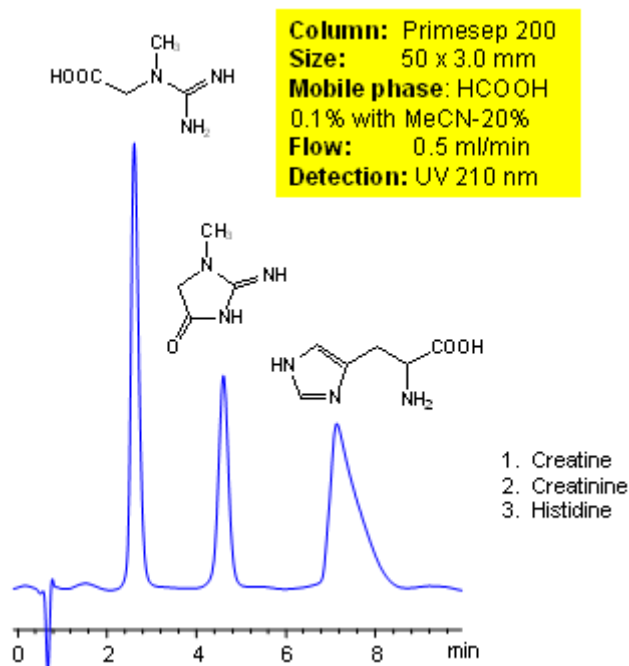


HPLC Separation of Creatine, Creatinine and Histidine with MS Conditions

<https://sielc.com/Application-HPLC-Separation-of-Creatine-Creatinine-and-Histidine-With-MS-Conditions>

Chromatogram



Description

Creatine, creatinine, and histidine are all important amino acids in the human body. All of these can be separated by liquid chromatography. The mobile phase contains acetonitrile (MeCN), water, and formic acid. Smaller 3 µm particle columns are available for fast UPLC applications. This liquid chromatography method is scalable and can be used for isolation of impurities in preparative separation. It is also suitable for pharmacokinetics.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	Formic Acid – 0.1%
Flow Rate	0.5 ml/min
Detection	UV, 210 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Hormone
Analyzing Compounds	Creatine, Creatinine, Histidine

HPLC Column Used

Primesep 200, 3.0×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de](http://hplc-shop.de) →