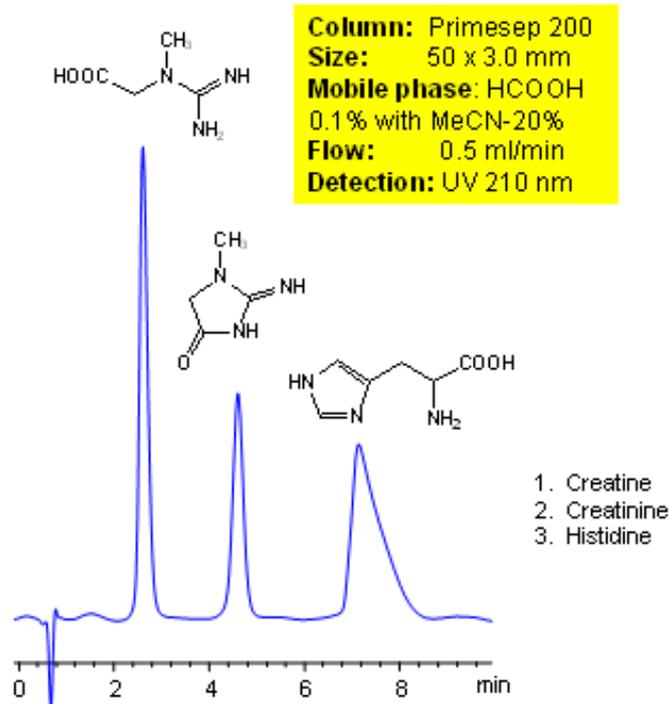


HPLC Separation of Creatine, Creatinine and Histidine with MS Conditions



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

Column	Primesep 200, 3.0x150 mm, 5 μm , 100 \AA
Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	Formic Acid – 0.1%
Flow Rate	0.5 mL/min
Detection	UV, 210 nm

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