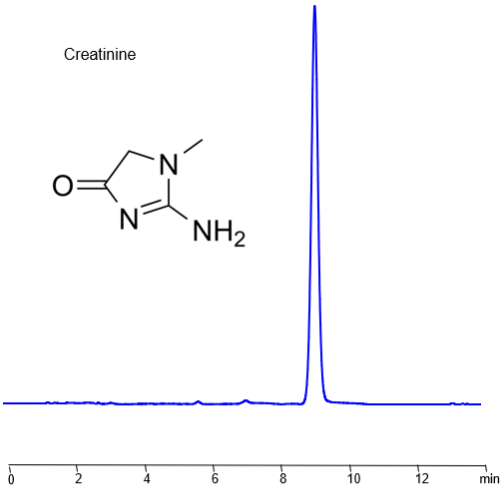
HPLC Method for Analysis of Creatinine on BIST B+ by SIELC Technologies



Column:	BIST™ B+
Size:	4.6 × 150mm, 5 µm
Column part number:	TBP-46.150.0510
Mobile phase:	MeCN – 90%
Buffer:	H_2SO_4 –0.2%
Detection:	UV 200 nm
Flow:	1.0 mL/min

Creatine is a naturally occurring compound found in muscles and is used to produce energy during high-intensity exercise. It is synthesized in the body from amino acids and stored in muscles for quick energy release. You can find detailed UV spectra of Creatinine and information about its various lambda maxima by visiting the following link.

Creatinine can be retained and analyzed using the BIST B+ stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a Sulfuric Acid buffer. Detection is performed using UV.

Method Parameters

Column	BIST B+, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 85%
Buffer	H2SO4 – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 200 nm

Quelle: https://sielc.com/hplc-method-creatinine