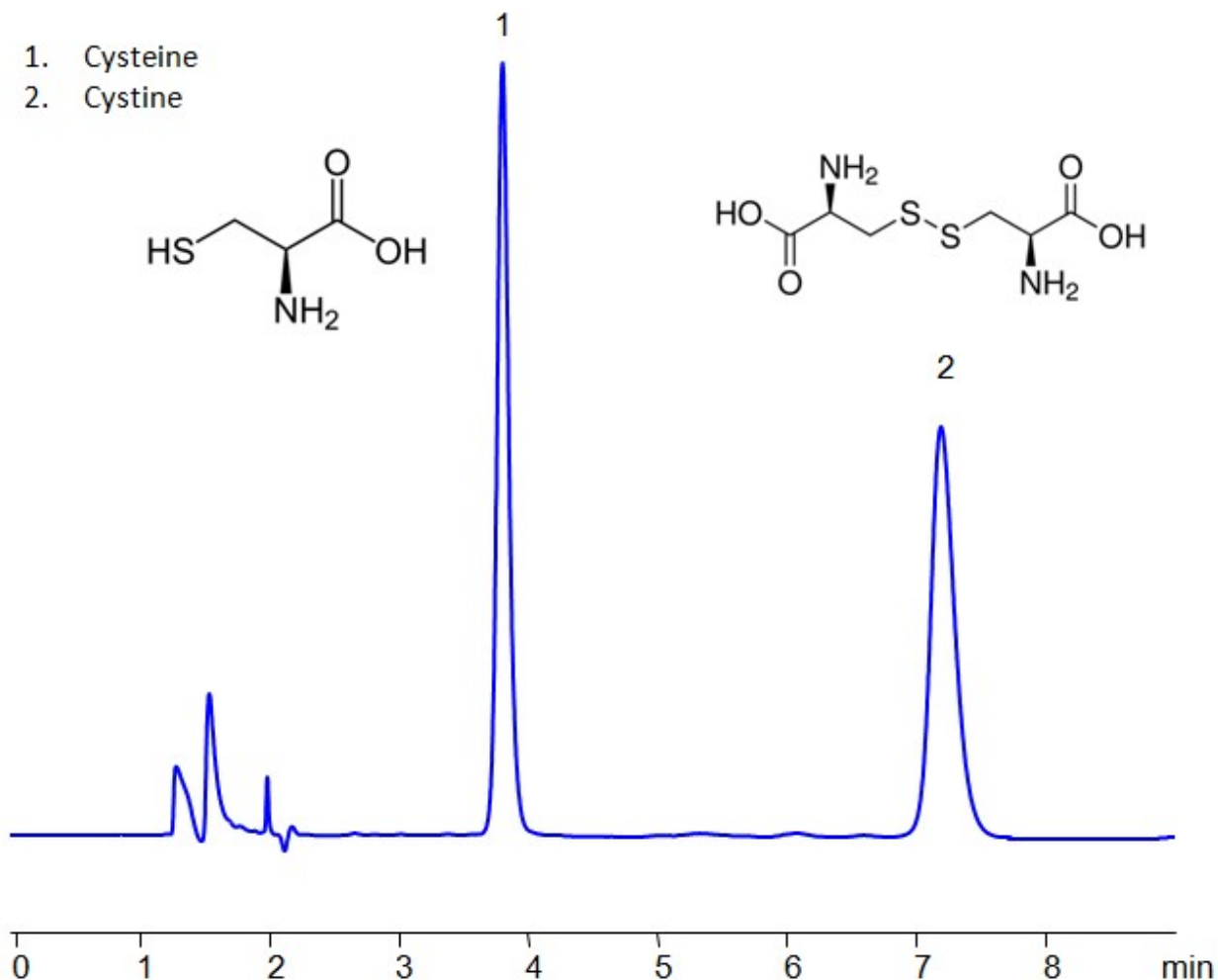


HPLC Method For Analysis Of Cysteine and Cystine on Primesep 100 Column

<https://sielc.com/hplc-method-for-analysis-of-cysteine-and-cystine>

Chromatogram



Column:	Primesep 100
Size:	4.6 x 150mm, 5 µm
Column part number:	100-46.150.0510
Flow:	1.0 mL/min
Mobile phase:	MeCN/H ₂ O - 20/80%
Buffer:	H ₂ SO ₄ - 0.1%
Detection:	UV 200 nm

Description

· Separation type: Liquid Chromatography Mixed-mode · High Performance Liquid Chromatography (HPLC) Method for Analysis of Cysteine and Cystine

Cysteine is an amino acid that is an essential building block of a wide variety of proteins made and used throughout the entire body. Cystine is an oxidized dimer of cysteine that the body uses for redox reactions and as a linkage for proteins to keep their

3D structures. Cysteine and Cystine can be retained and analyzed on a mixed-mode Primesep 100 column with a mobile phase consisting of water, Acetonitrile (MeCN), and Sulfuric acid (H₂SO₄). This analytical method can be UV detected at 200 nm with high resolution and peak symmetry.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV, 200 nm
Class of Compounds	Amino Acid
Analyzing Compounds	Cysteine, Cystine

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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