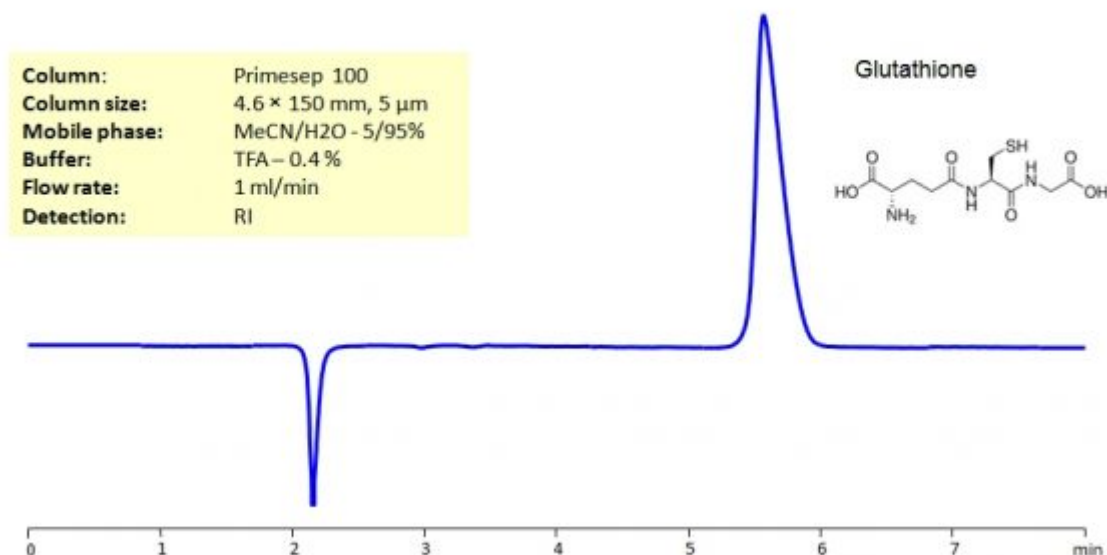


HPLC Method for Analysis off Glutathione on Primesep 100 Column

<https://sielc.com/hplc-determination-of-glutathione>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Glutathione .

Glutathione is a tripeptide composed of three amino acids: glutamate, cysteine, and glycine. It's often referred to as the body's "master antioxidant" because of its vital role in maintaining cellular health and preventing oxidative stress.

Here are some key functions and characteristics of glutathione:

Glutathione is primarily synthesized in the liver and then distributed to other tissues in the body. It can also be obtained from some foods, especially fruits, vegetables, and meats.

Glutathione can be retained on Primesep 100 mixed-mode column using a mobile phase of Acetonitrile (ACN), water and Trifluoroacetic acid (TFA) buffer. This analysis method can be detected via Refraction Index (RI) Detection, mass spectrometry (MS), evaporative light scattering detection (ELSD) and Charged aerosol detection (CAD).

Method Parameters

Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	TFA – 0.4%
Flow Rate	1.0 ml/min
Detection	RI
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements, Amino acid
Analyzing Compounds	Glutathione

HPLC Column Used

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

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