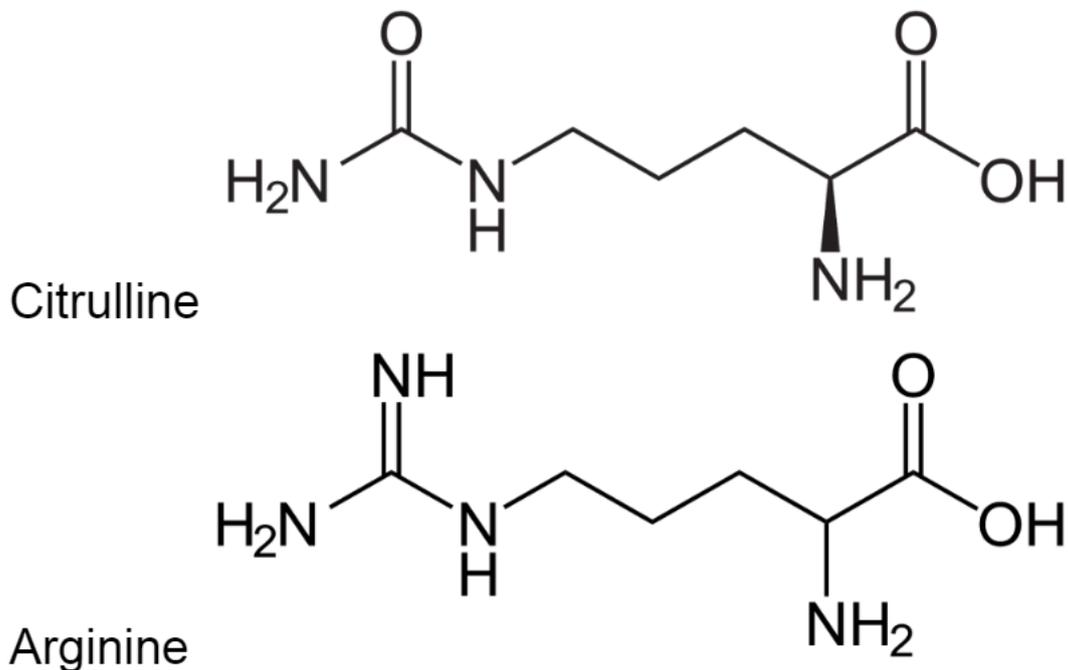


HPLC Separation of Citrulline and Arginine on Primesep 200 Column



Citrulline and Arginine are α -amino acids that differ only in one functional group. They can be separated on a reverse-phase Primesep 200 HPLC column by hydrophobic and cation-exchange mechanisms in a mobile phase of water and acetonitrile (MeCN, ACN) with a gradient buffer of formic acid. Evaporative Light Scattering Detector (ELSD) used.

Method Parameters

Column	Primesep 200, 4.6x50 mm, 5 μ m, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	Formic Acid
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Citrulline-and-Arginine>