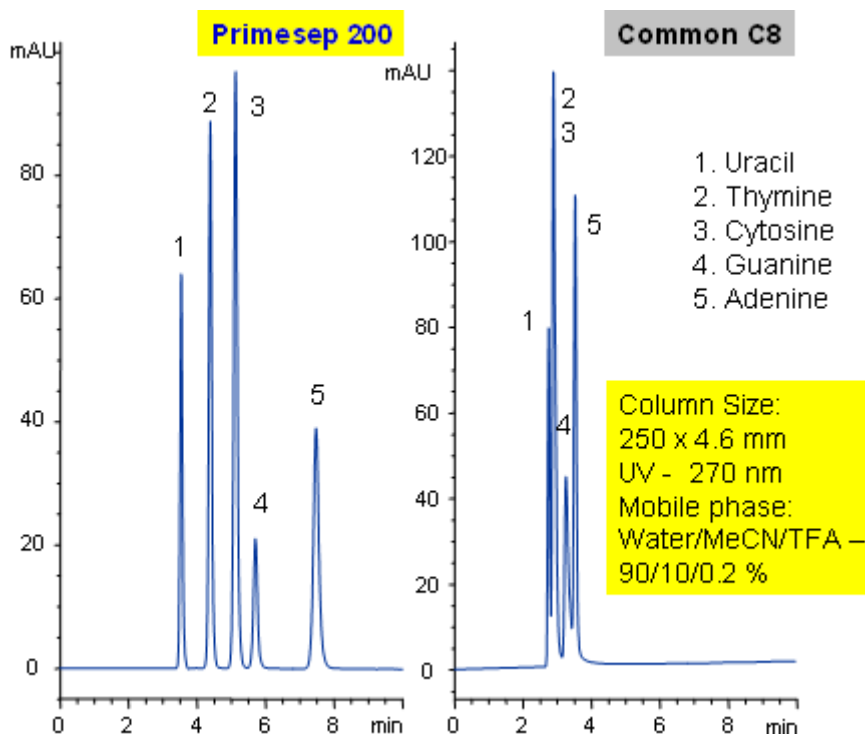


Separation of Nucleic Bases

<https://sielc.com/Application-Separation-of-Nucleic-Bases>

Chromatogram



Description

Primesep 200 separates with baseline resolution nucleic bases (uracil, thymine, cytosine, guanine, and adenine) by a combination of cation exchange and reversed phase. Uracil typically does not retain on reversed-phase column and is often used as an unretained void volume marker for C18 and C8 columns. Primesep 200 has an embedded anionic functional group which helps retain polar compounds polar and ion-exchange mechanisms. Excellent peak shape results with a mass spec compatible mobile phase of water, acetonitrile (MeCN, ACN) and trifluoroacetic acid (TFA) with UV detection at 270 nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	TFA – 0.2%
Flow Rate	0.5 ml/min, 1.0 ml/min
Detection	UV, 270 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Hormone
Analyzing Compounds	Uracil, Thymine, Cytosine, Guanine, Adenine

HPLC Column Used

Primesep 200, 4.6*250 mm, 5 µm, 100A

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