

HPLC Separation of Nucleic Bases at pH 4 and 5 on Obelisc N

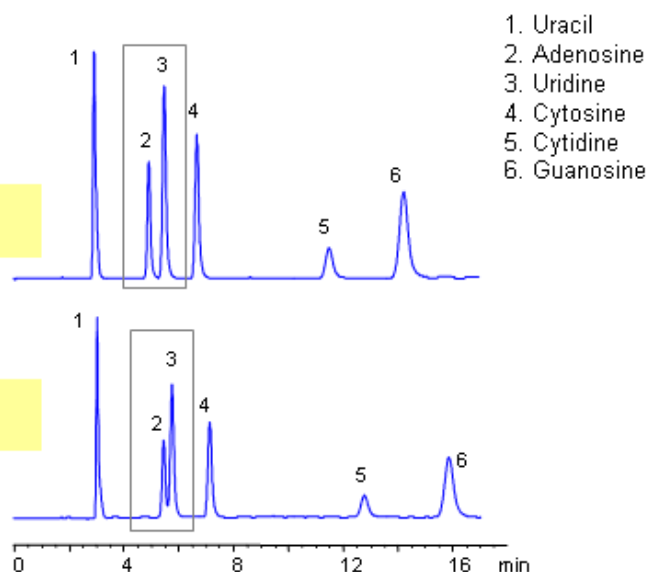
<https://sielc.com/Application-HPLC-Separation-of-Nucleic-Bases-At-PH-4-and-5-on-Obelisc-N>

Chromatogram

Column: Obelisc N
Size: 150 x 4.6 mm
Flow: 1.0 mL/min
Detection: UV 250 nm

Mobile phase: 90% MeCN,
10mM AmAc pH 5.0

Mobile phase: 90% MeCN,
10mM AmAc pH 4.0



Description

Nucleic bases are biological compounds found in genetic molecules (DNA, RNA). They can be separated on an Obelisc N column, which offers very polar characteristics and can be used with positively or negatively charged groups. Closely-eluted adenosine and uridine can be further separated by simply adjusting the pH of the mobile phase. Mobile phase is water and acetonitrile (MeCN, ACN) with Ammonium Acetate as buffer. UV detection at 250nm.

Method Parameters

Mobile Phase	MeCN -90%
Buffer	AmAc
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Uracil, Uridine, Adenosine, Guanosine, Cytidine, Cytosine

HPLC Column Used

Obelisc N, 4.6x150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)