

Analysis of Nucleic Acid Bases Using Atlantis T3

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This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights analysis of nucleic acid bases

Introduction

Compounds analysed in this application brief :

1. Cytosine
2. 5-Fluorocytosine
3. Uracil
4. 5-Fluorouracil
5. Guanine
6. Thymine
7. Adenine

Experimental

Test Conditions

Column:	Atlantis T3, 4.6 x 150 mm, 5 m
Part Number:	186003747
Mobile Phase A:	H ₂ O
Mobile Phase B:	ACN
Mobile Phase C:	100 mM CH ₃ COONH ₄ , pH 5.0
Flow Rate:	1.0 mL/min
Injection Volume:	10 µL
Column Temperature:	30 °C

Detection:

UV @ 254 nm

Instrument:

Waters Alliance 2695

Gradient

Time(min) Profile

%A

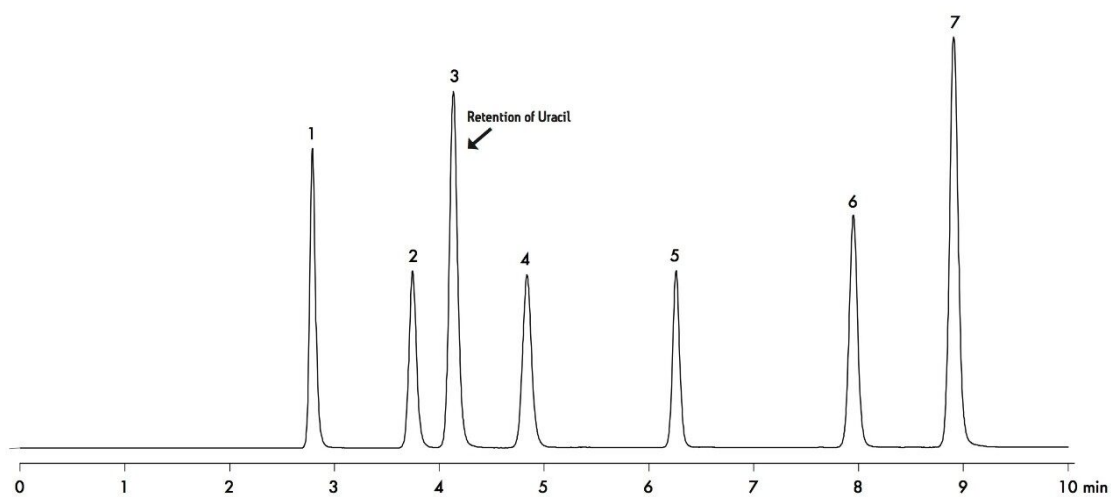
0 90

10 84

11 90

15 90

Results and Discussion



1. Cytosine, 2. 5-Fluorocytosine, 3. Uracil, 4. 5-Fluorouracil, 5. Guanine, 6. Thymine, 7. Adenine.

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Alliance HPLC System <<https://www.waters.com/534293>>

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