

100% Aqueous Pore Dewetting Test Using Atlantis T3

Waters Corporation



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

Abstract

This application brief demonstrates a 100% aqueous pore dewetting test using Atlantis T3 Columns.

Introduction

Compounds analysed in this application brief :

1. Thiourea
2. 5-Fluorocytosine
3. Adenine
4. Guanosine-5'-monophosphate
5. Thymine

Experimental

Test Conditions

Column:	4.6 x 100 mm, 3 μ m
Part Number:	186003728
Mobile Phase:	10 mM NH ₄ COOH, pH 3.0
Flow Rate:	1.3 mL/min
Injection Volume:	5.0 μ L
Column Temperature:	30 °C
Detection:	UV @ 254 nm

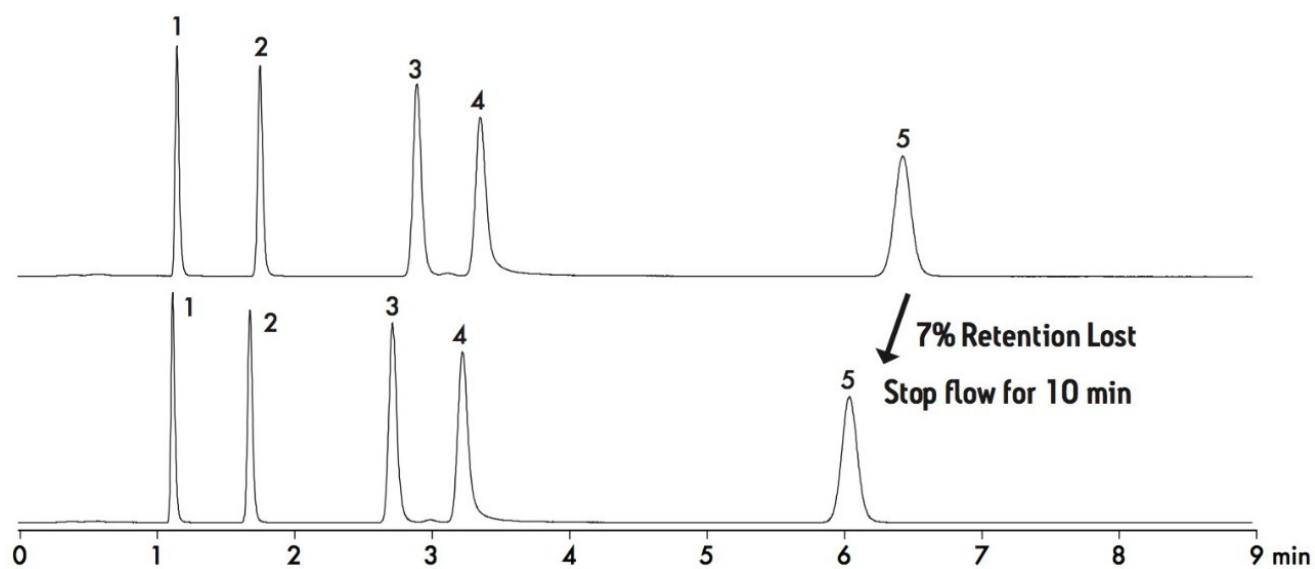
Results and Discussion

% DEWET, Atlantis T3

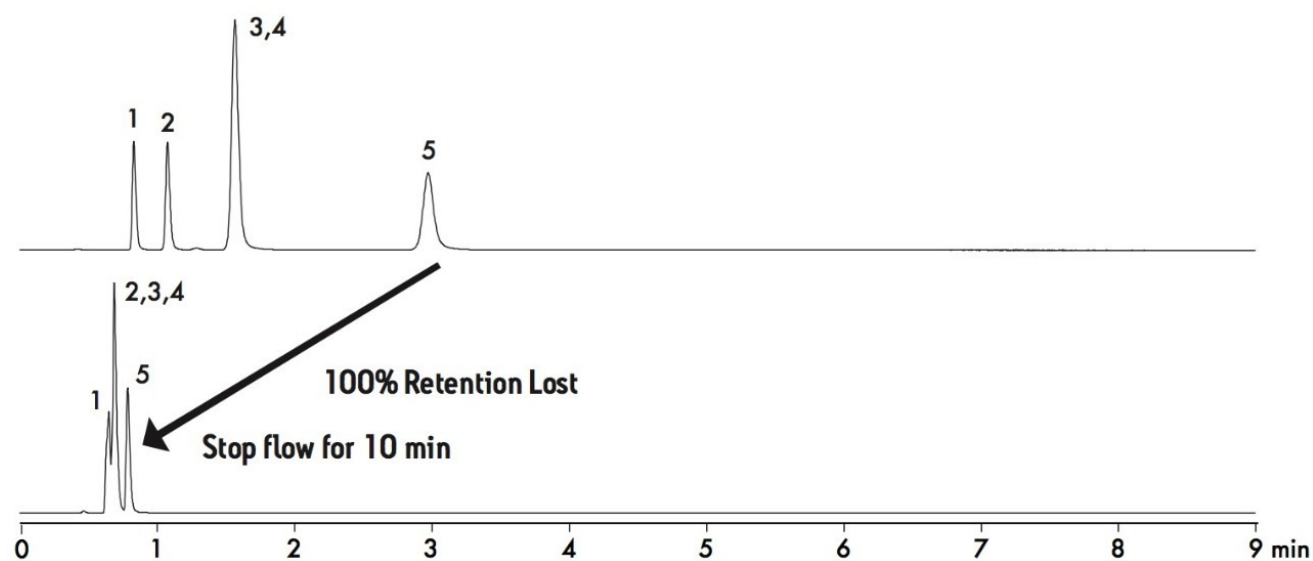
1. Thiourea - 12%
2. 5-Fluorocytosine - 8%
3. Adenine - 8%
4. Guanosine-5'-monophosphate - 5%
5. Thymine - 7%

% DEWET Eclipse Plus C₁₈

1. Thiourea - 381%
2. 5-Fluorocytosine - 132%
3. Adenine - 112%
4. Guanosine-5'-monophosphate - 112%
5. Thymine - 99%



Atlantis T3, Intermediate Coverage C₁₈



Zorbax Eclipse Plus C₁₈, High Coverage C₁₈

Featured Products

· [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

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