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アプリケーションノート

Synthetic Antibiotics

Waters Corporation



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

Abstract

This application brief highlights tha analysis of synthetic antibiotics using Symmetry Columns.

Introduction

Synthetic antibiotics used in this study are:

- 1. Furazolidone
- 2. Oxolinic Acid
- 3. Nalidixic Acid

1. Furazolidone

2. Oxolinic Acid

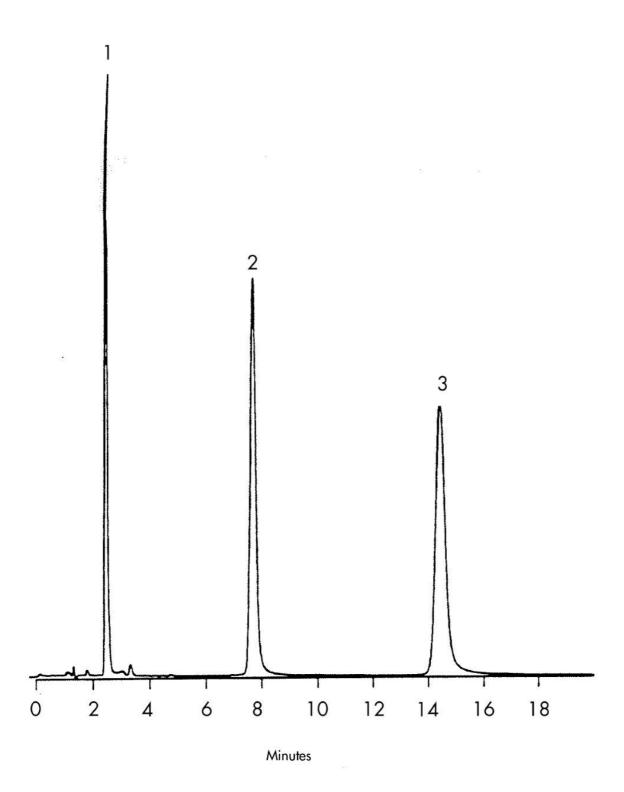
3. Nalidixic Acid

Experimental

HPLC Method

Column:	Symmetry C ₁₈ , 3.9 x 150 mm, 5 μm (p/n:WAT046980)
Mobile phase:	0.1% phosphoric acid in water/methanol 62:38
Flow rate:	1.0 mL/min
Injection volume:	$10~\mu L$ of mixture with $30~\mu g/mL$ furazolidone and oxolinic acid and $100~\mu g/mL$ nolidixic acid
Detection:	UV @ 254 nm
USP Tailing Factors	
1. 1.2	
2. 1.1	
3 1 2	

Results and Discussion



WA31763.161, June 2003

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