

Application Note

Lidocaine

Waters Corporation



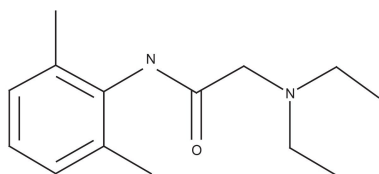
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of lidocaine using XTerra RP₁₈ columns.

Introduction

Lidocaine has been analyzed in this application brief.



Lidocaine

Experimental

HPLC Method

Column:	XTerra RP ₁₈ 4.6 x 150 mm, 5 μm (p/n: 186000492)
Mobile phase:	At pH 3.0: H ₂ O/ACN/100 Mm NH ₄ COOH, pH 3.0, 55:35:10 At pH 7.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 7.0, 50:40:10 At pH 10.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 10.0, 50:40:10
Flow rate:	1.0 mL/min
Injection volume:	5 μL of 250 μg/mL
Temperature:	30 °C

Detection:

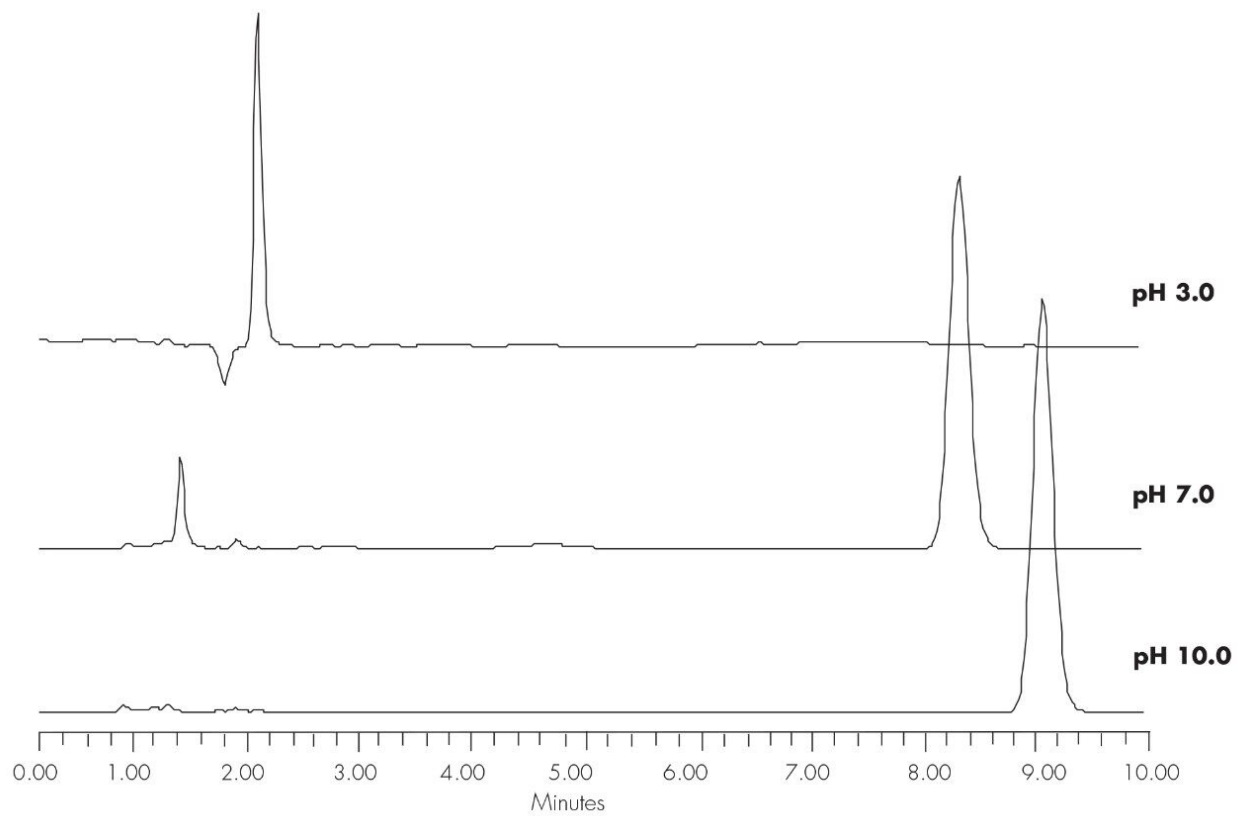
UV @ 238 nm

Instrument:

Alliance 2695, 2996 PDA

Mobile Phase pH	USP Tailing
3.0	1.20
7.0	1.07
10.0	1.07

Results and Discussion



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Alliance HPLC <<https://www.waters.com/514248>>

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