

## Procaine

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Waters Corporation



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

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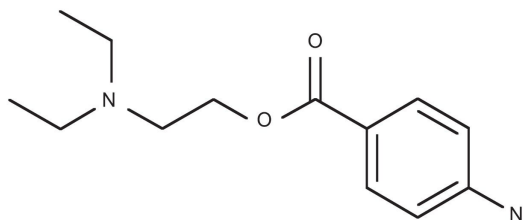
### Abstract

This application brief highlights the analysis of procaine using XTerra RP<sub>18</sub> columns.

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## Introduction

Procaine has been analyzed in this application brief.



Procaine

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## Experimental

### HPLC Method

|                   |                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column:           | XTerra RP <sub>18</sub> 4.6 x 150 mm, 5 μm (p/n: 186000492)                                                                                                                                                                                                                         |
| Mobile phase:     | At pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0, 65:25:10<br><br>At pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0, 35:55:10<br><br>At pH 10.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0, 60:30:10 |
| Flow rate:        | 1.0 mL/min                                                                                                                                                                                                                                                                          |
| Injection volume: | 5 μL of 250 μg/mL                                                                                                                                                                                                                                                                   |

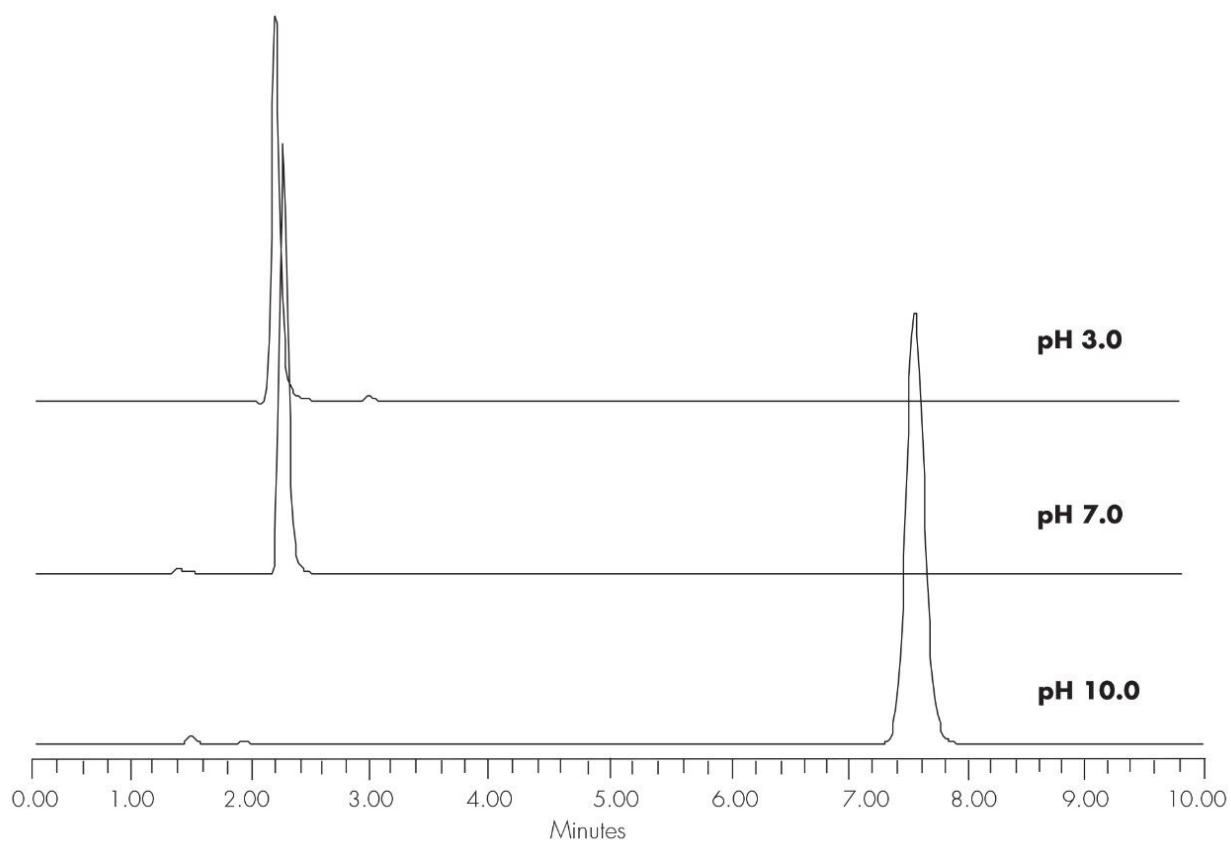
Temperature: 30 °C

Detection: UV @ 280 nm

Instrument: Alliance 2695, 2996 PDA

| Mobile Phase pH | USP Tailing |
|-----------------|-------------|
| 3.0             | 1.28        |
| 7.0             | 1.23        |
| 10.0            | 1.08        |

## Results and Discussion



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

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