

Nota applicativa

## Naltrexone in Plasma

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Waters Corporation



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

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### Abstract

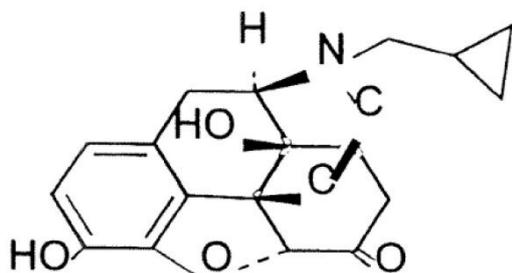
This application brief demonstrates analysis of naltrexone in plasma.

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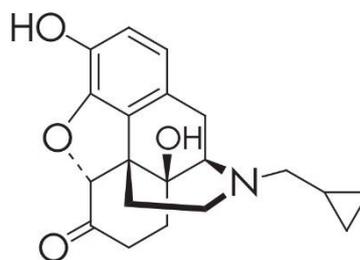
## Introduction

The compounds analyzed in this study are -

1. Naloxone (I.S.)
2. Naltrexone



**1. Naloxone (I.S.)**



**2. Naltrexone**

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## Experimental

### HPLC Method

Column:	Symmetry Shield RP <sub>8</sub> , 3.9 x 150 mm, 5 μm
Part number:	WAT200655
Mobile phase:	100 mM Ammonium acetate pH 5/acetonitrile 88:12
Flow rate:	1.0 mL/min
Injection volume:	1 mL spiked plasma with naloxone (I.S.)

Temperature:

8 °C

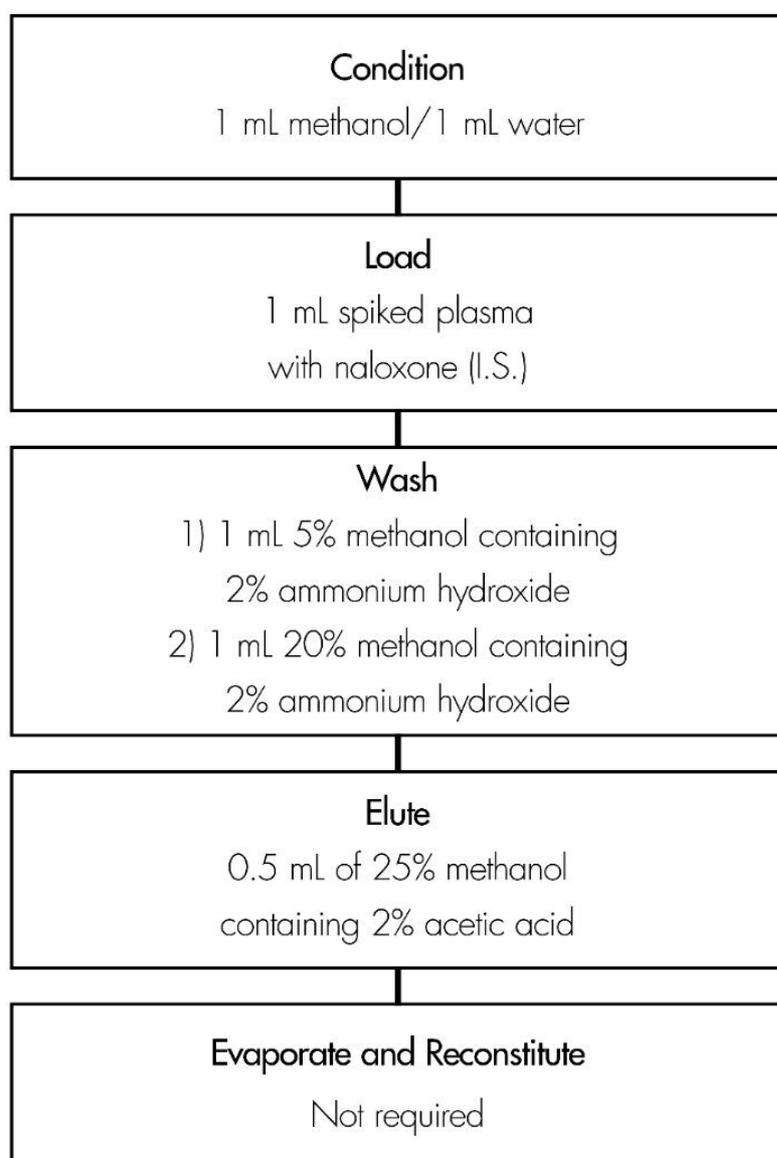
Detection:

UV @ 281 nm

## Oasis® HLB Extraction Method

Oasis® HLB Extraction Plate, 30 mg/96-well

Part Number WAT058951

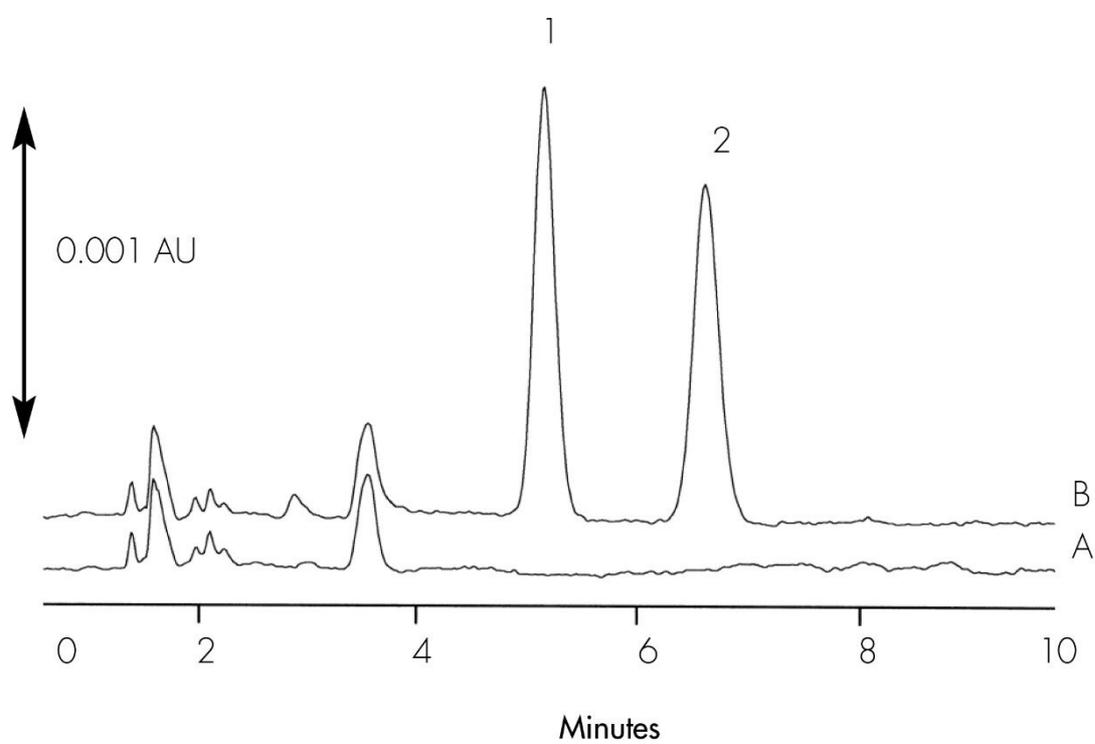


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## Results and Discussion

Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Naltrexone	3.3	108%	4.2%

Chromatogram of Plasma Extracts: A) Blank B) Spiked Sample



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