Waters™

Applikationsbericht

Naltrexone in Plasma

Waters Corporation

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

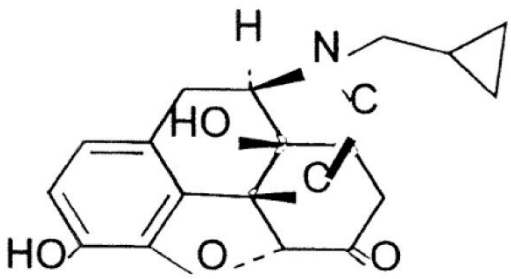
Abstract

This application brief demonstrates analysis of naltrexone in plasma.

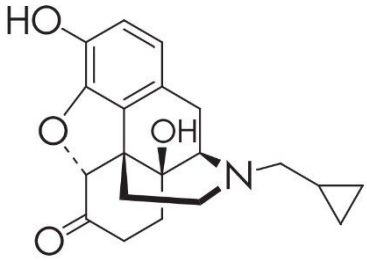
Introduction

The compounds analyzed in this study are -

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



1. Naloxone (I.S.)



2. Naltrexone

Experimental

HPLC Method

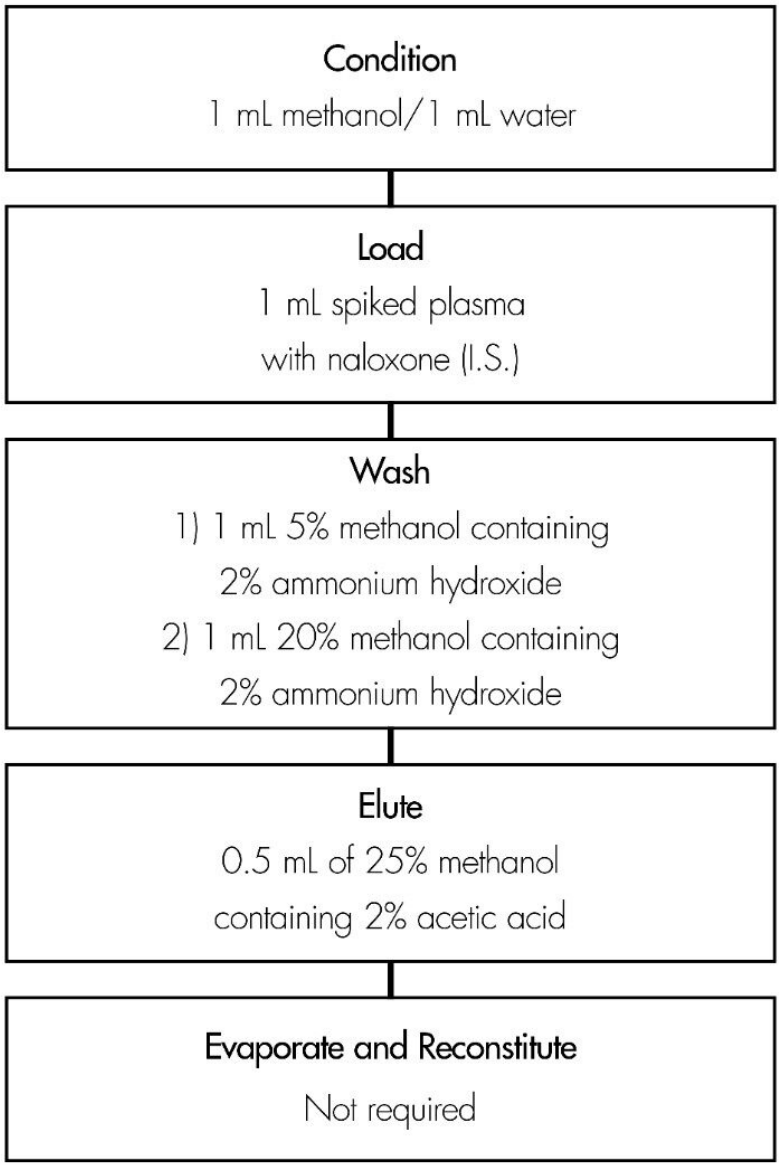
Column:	Symmetry Shield RP_8, 3.9 x 150 mm, 5 µm
Part number:	WAT200655
Mobile phase:	100 mM Ammonium acetate pH 5/acetonitrile 88:12
Flow rate:	1.0 mL/min
Injection volume:	1 mL spiked plasma with naloxone (I.S.)

Temperature:	8 °C
Detection:	UV @ 281 nm

Oasis® HLB Extraction Method

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

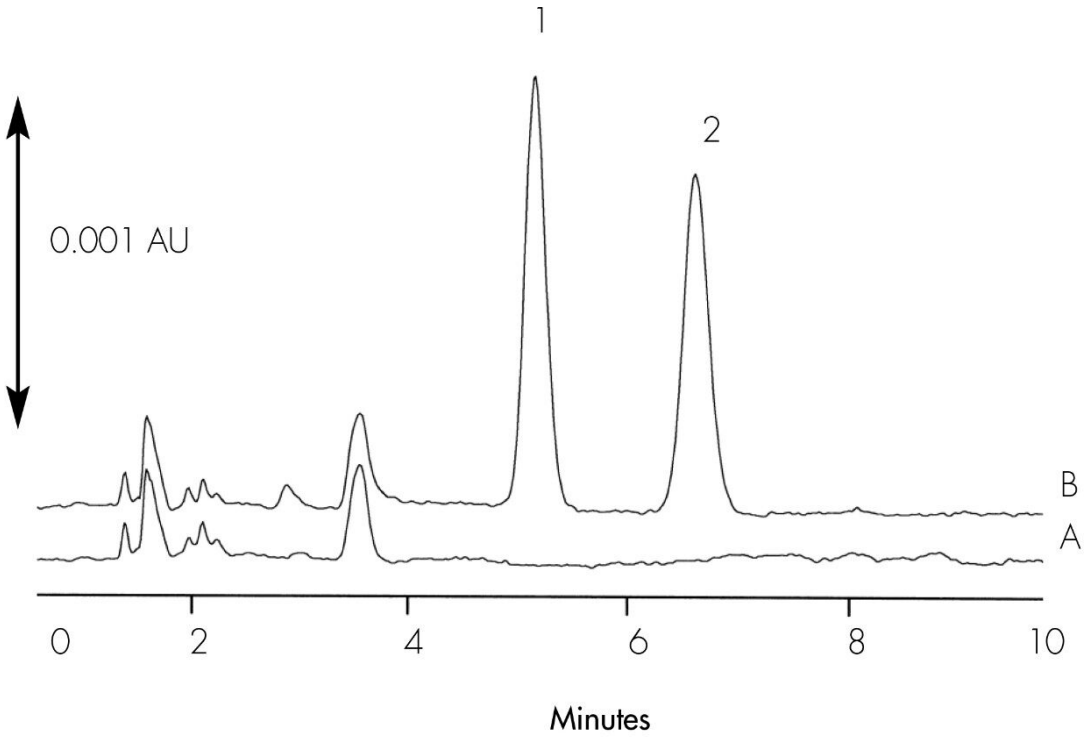
Part Number WAT058951



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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