

Naltrexone in Serum

Waters Corporation



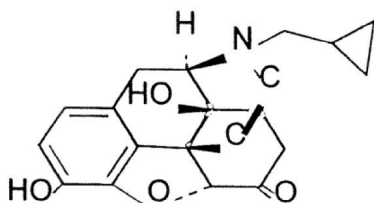
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

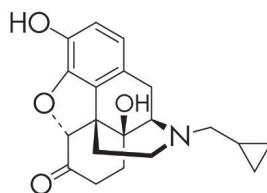
This application brief highlights the analysis of naltrexone in serum.

Introduction

Compounds used in this application brief includes naloxone (I.S.), and naltrexone.



1. Naloxone (I.S.)



2. Naltrexone

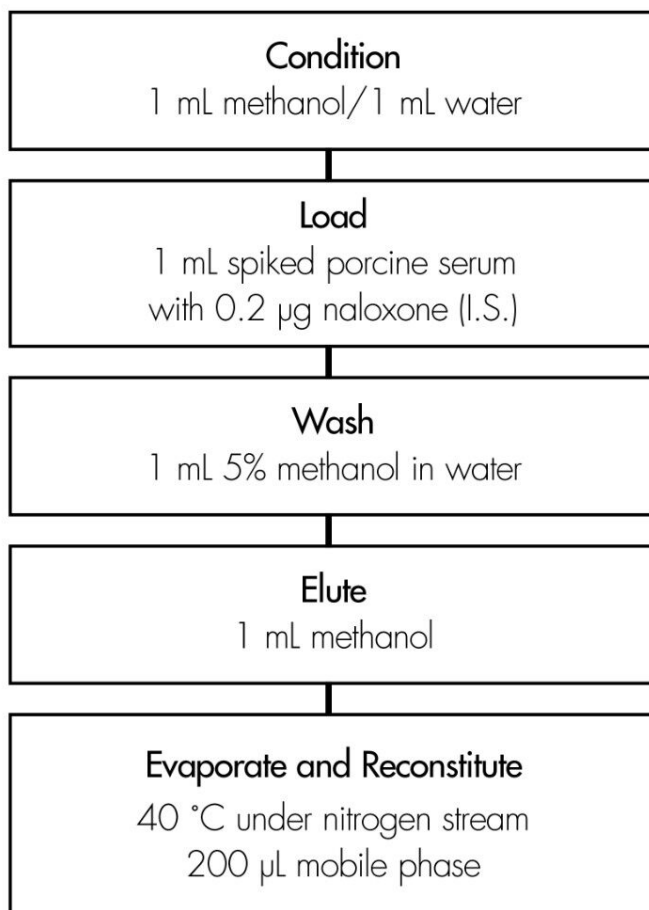
Experimental

HPLC Conditions

Column:	Symmetry Shield RP ₈ , 3.0 x 150 mm, 5 µm
Guard column:	Sentry guard column, 3.9 x 20 mm, 5 µm
Part numbers:	Column - WAT094243, Guard - WAT200675
Mobile phase:	20 mM ammonium acetate, pH 5/acetonitrile, 90:10
Flow rate:	0.6 mL/min
Injection volume:	20 µL of reconstituted porcine serum extract
Temperature:	25° C
Detection:	UV @ 215 nm

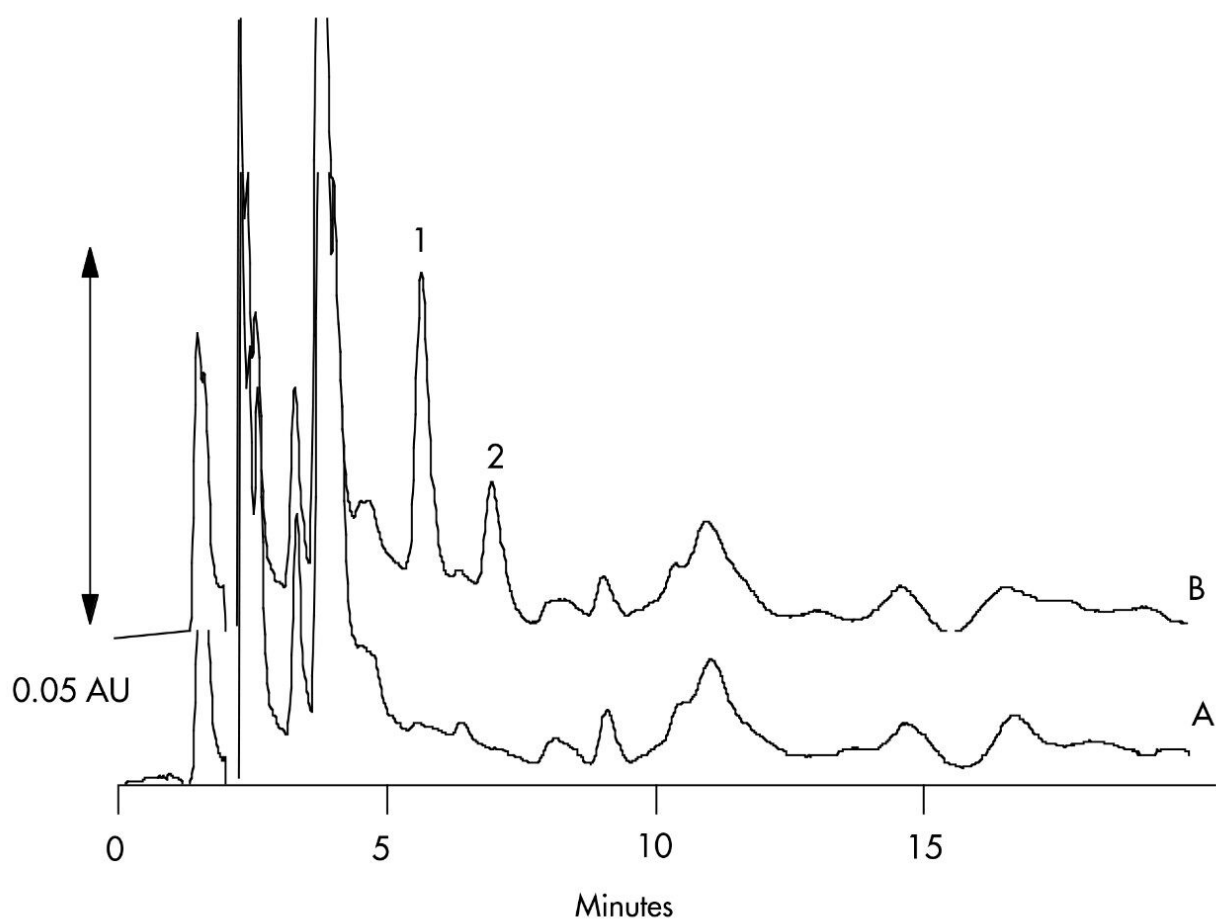
Oasis® HLB Extraction Method

Oasis® HLB 1 cc/30 mg Extraction Cartridge
Part Number WAT094225



Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Naltrexone	0.200	98%	3.2%
	1.00	100%	3.5%

Results and Discussion



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WA31763.109, June 2003

