

Naltrexone in Serum

HPLC Method

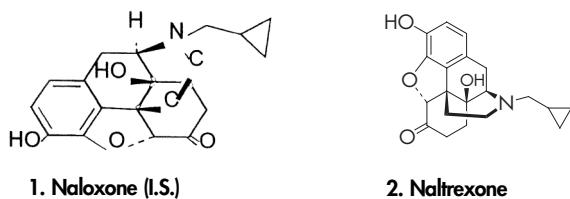
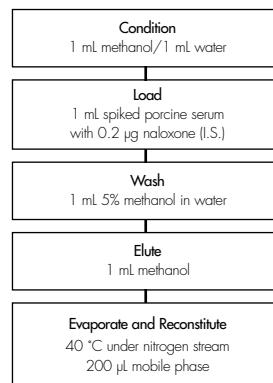
Column: SymmetryShield™ RP₈, 3.0 x 150 mm, 5 µm
Guard Column: Sentry™ guard column, 3.9 x 20 mm, 5 µm
Part numbers: Column - WAT094243, Guard - WAT200675
Mobile phase: 20 mM ammonium acetate, pH 5/acetonitrile, 90:10
Flow rate: 0.6 mL/min
Injection volume: 20 µL of reconstituted porcine serum extract
Temperature: 25° C
Detection: UV @ 215 nm

Compounds:

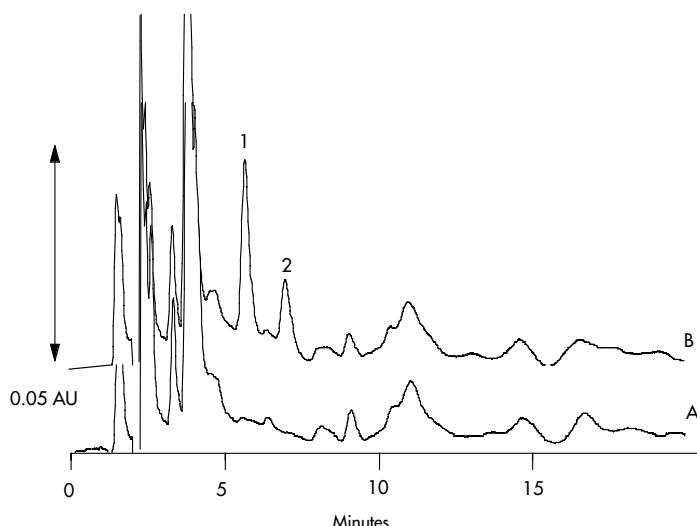
- 1: Naloxone (I.S.)
 2: Naltrexone

Oasis® HLB Extraction Method

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



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



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