

Nota applicativa

Oxytocin and Angiotensins in Serum

Waters Corporation



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

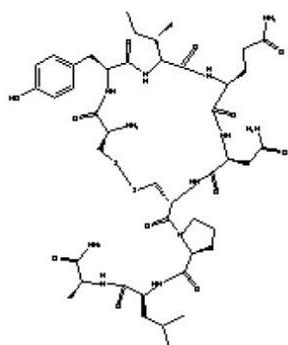
Abstract

This application brief highlights the analysis of oxytocin and angiotensins in serum using SymmetryShield RP₈ and Sentry guard column.

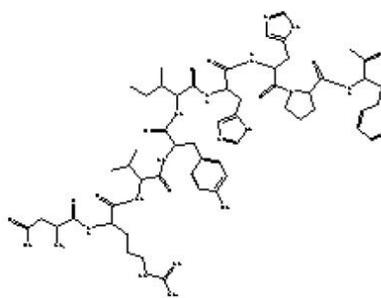
Introduction

Compounds used in this application brief includes:

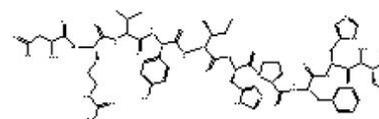
1. Oxytocin
2. Angiotensin II
3. Angiotensin I (I.S.)



1. Oxytocin



2. Angiotensin II



3. Angiotensin I

Experimental

HPLC Method

Column:	SymmetryShield RP ₈ , 4.6 x 100 mm, 3.5 μm (p/n: WAT094226)
Guard Column:	Sentry guard column 3.9 x 20 mm, 3.5 μm (p/n: 186000704)
Mobile phase A:	0.1% TFA in water

Mobile phase B: Acetonitrile/water 90:10 with 0.1% TFA

Flow rate: 1.4 mL/min

Injection volume: 30 µL of reconstituted porcine extract

Temperature: 30° C

Detection: UV @ 227 nm

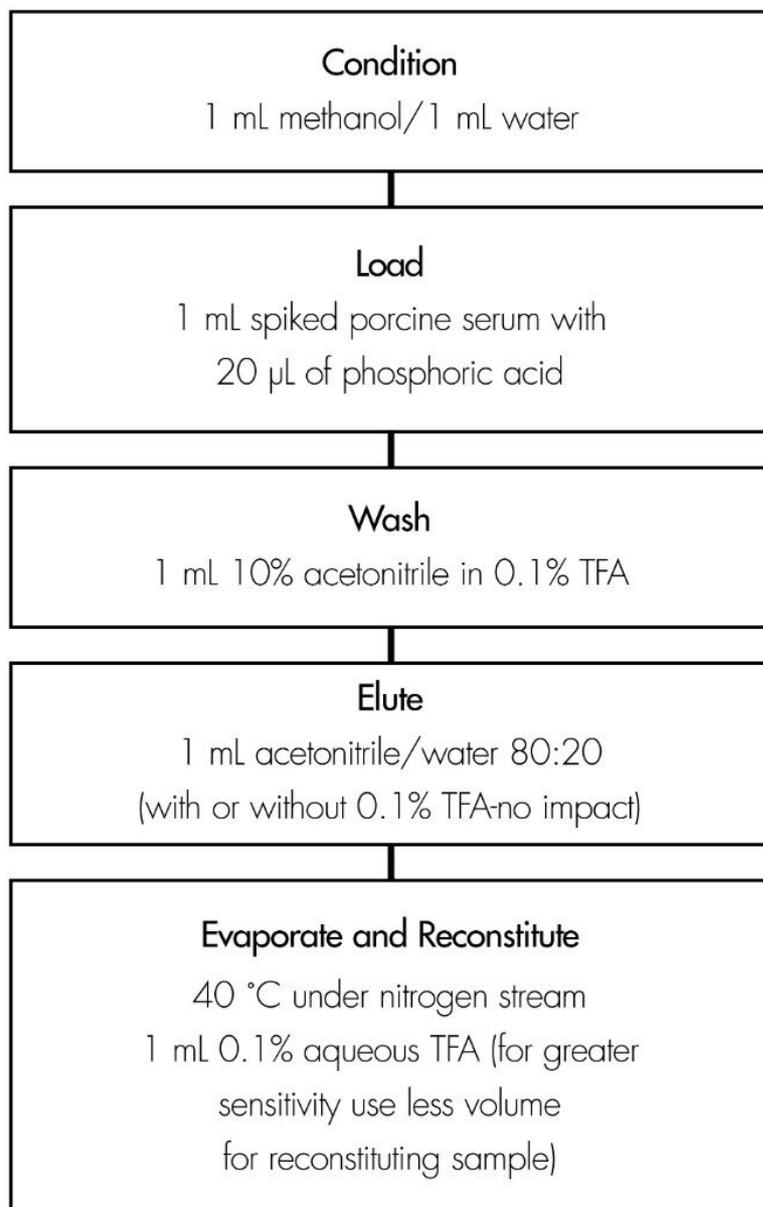
Gradient

Time (min)	%A	%B
0	85	15
22	40	60

Oasis® HLB Extraction Method

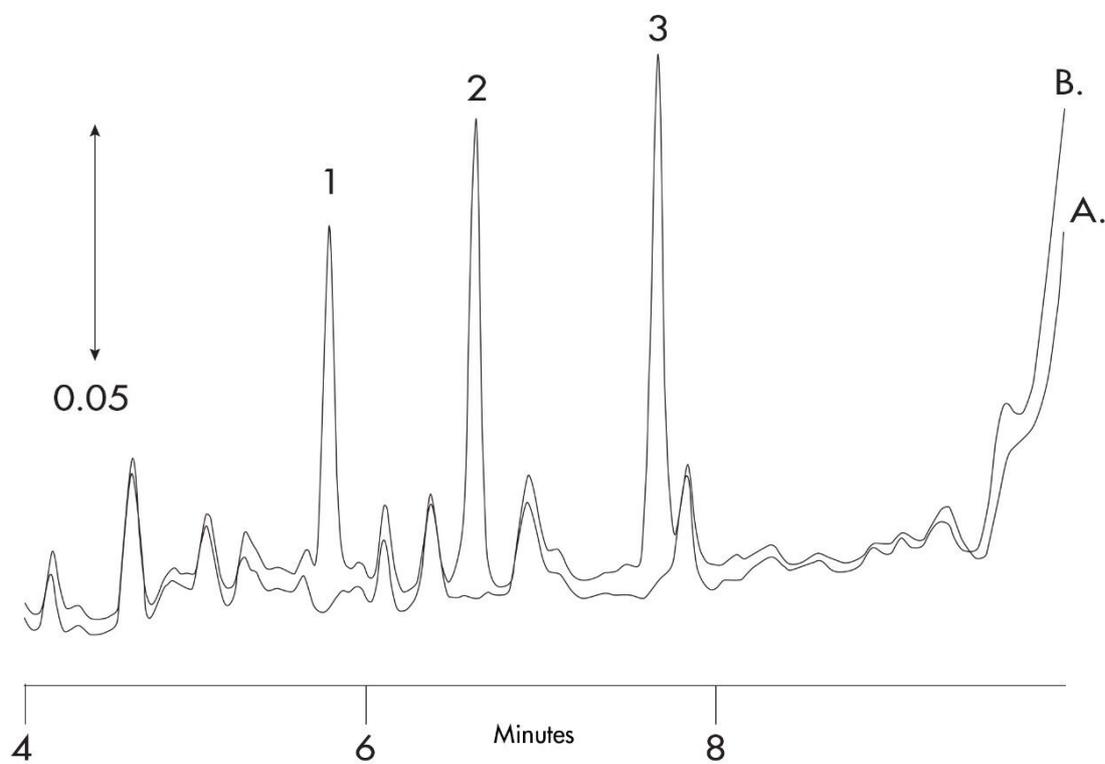
Oasis® HLB 1 cc/30 mg Extraction Cartridge

Part Number WAT094225



Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Oxytocin	5.0	103.7%	1.9%
Angiotensin I	5.0	97.8%	2.0%
Angiotensin II	5.0	99.2%	4.3%

Results and Discussion



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