Waters™

アプリケーションノート

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 RP_8 and Sentry guard column.

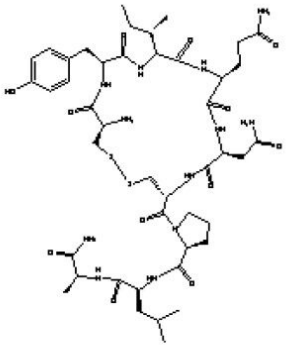
Introduction

Compouns used in this application brief includes:

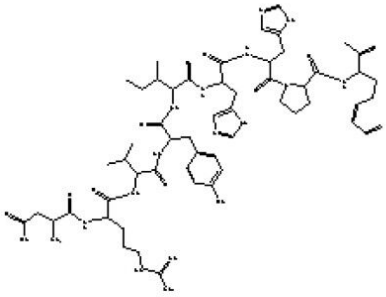
1. Oxytocin

2. Angiotensin II

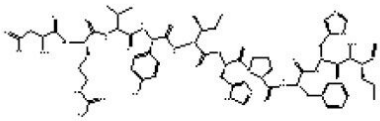
3. Angiotensin I (I.S.)



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

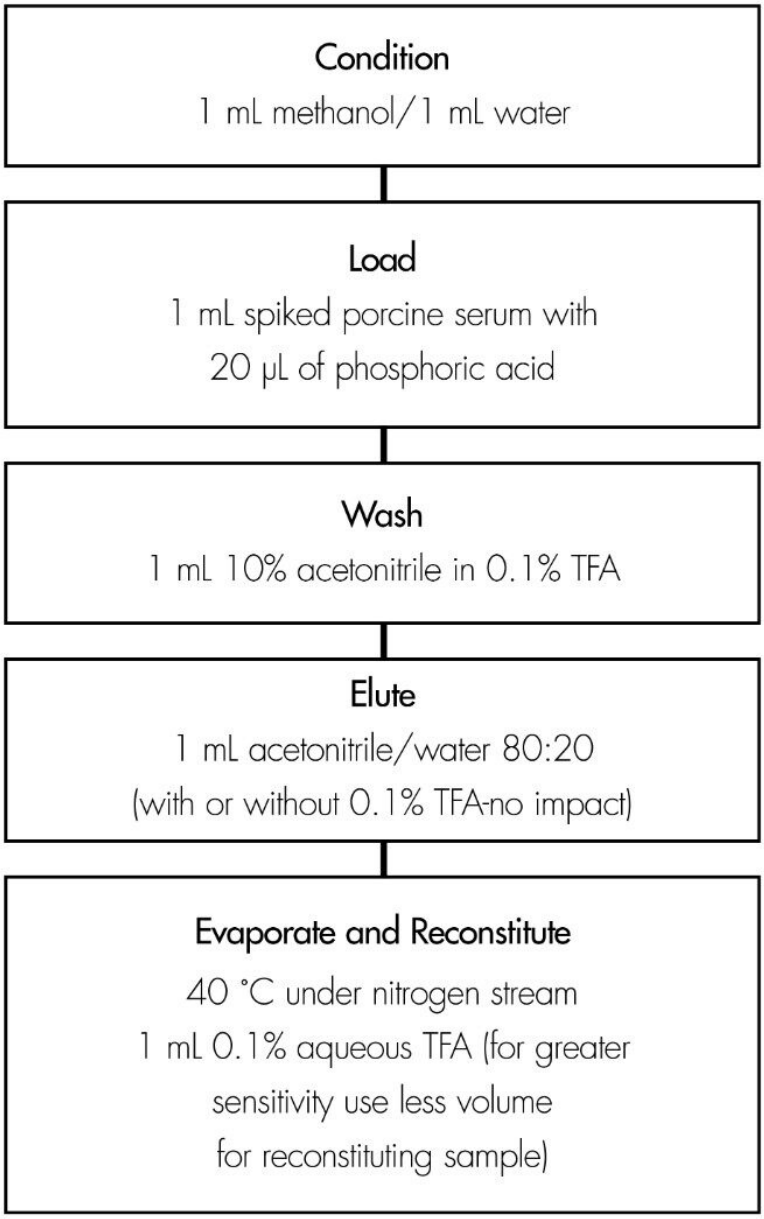
Gradient

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

Oasis® HLB Extraction Method

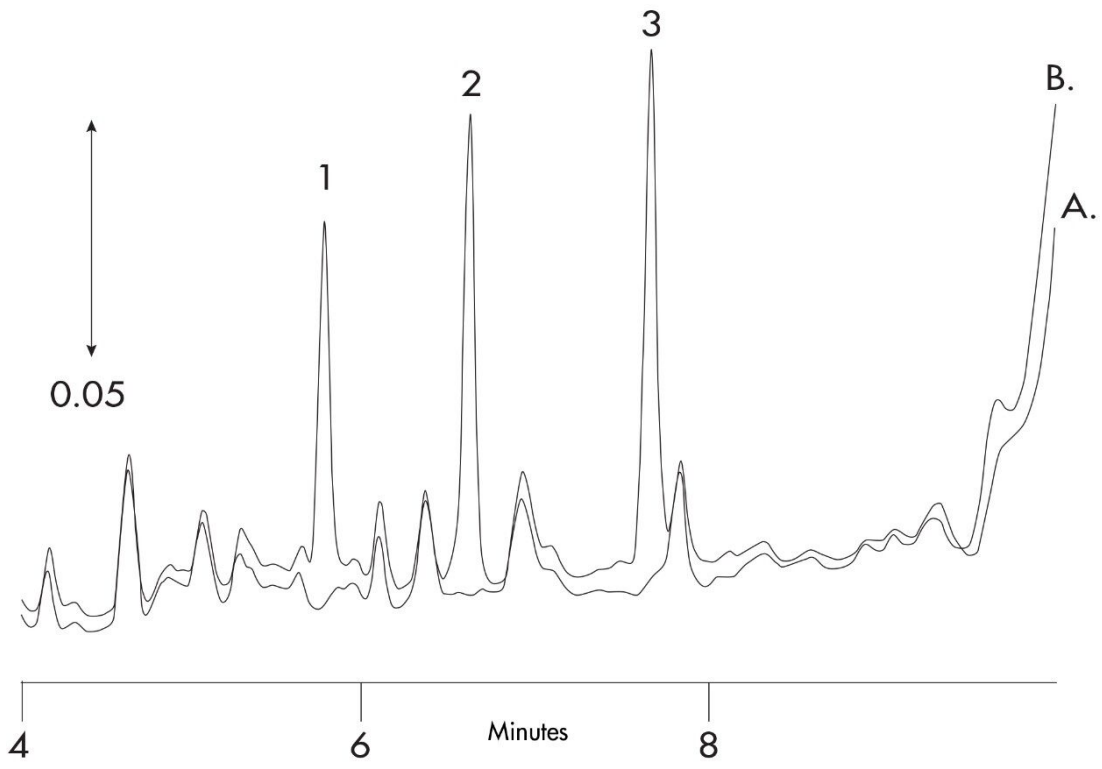
Oasis® HLB 1 cc/30 mg Extraction Cartridge

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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