

## Acetaminophen in Serum

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Waters Corporation



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

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### Abstract

This application brief highlights the analysis of acetaminophen in serum using SymmetryShield columns.

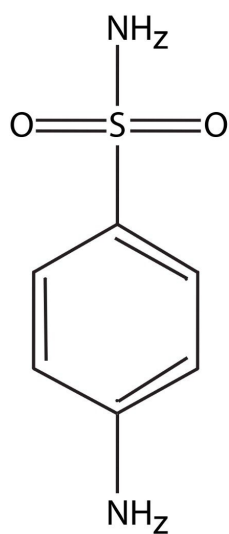
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## Introduction

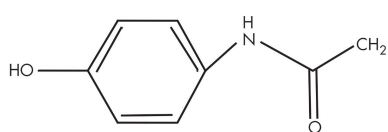
Compounds used in this study are:

1: Sulfanilamide (I.S.)

2: Acetaminophen



### 1. Sulfanilamide (I.S)



### 2. Acetaminophen

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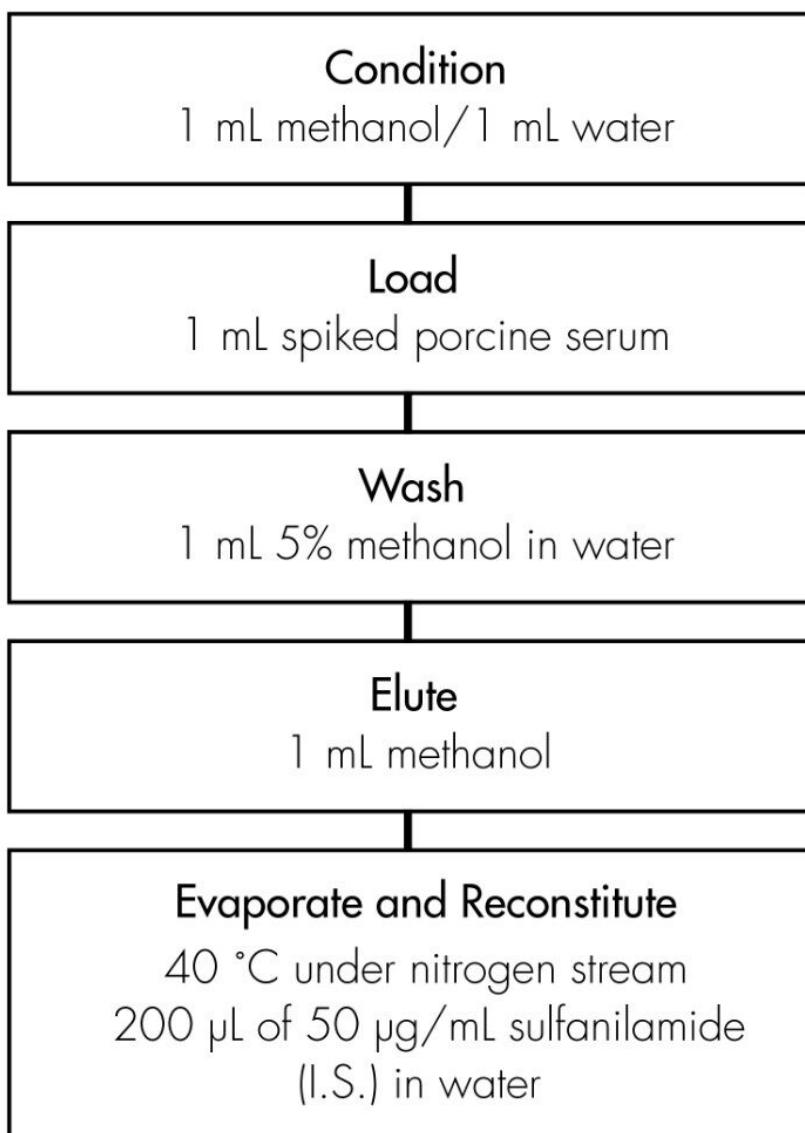
## Experimental

### HPLC Method

Column:	SymmetryShield RP <sub>8</sub> , 3.9 x 150 mm, 5 μm (p/n: WAT200655)
Guard Column:	Sentry Guard Column 3.9 x 20 mm, 5 μm (p/n: WAT200675)
Mobile phase:	20 mM potassium phosphate, pH 3.0/methanol 97:3)
Flow rate:	1.0 mL/min
Injection volume:	50 μL of reconstituted porcine serum extract
Temperature:	30 °C
Detection:	UV @ 220 nm

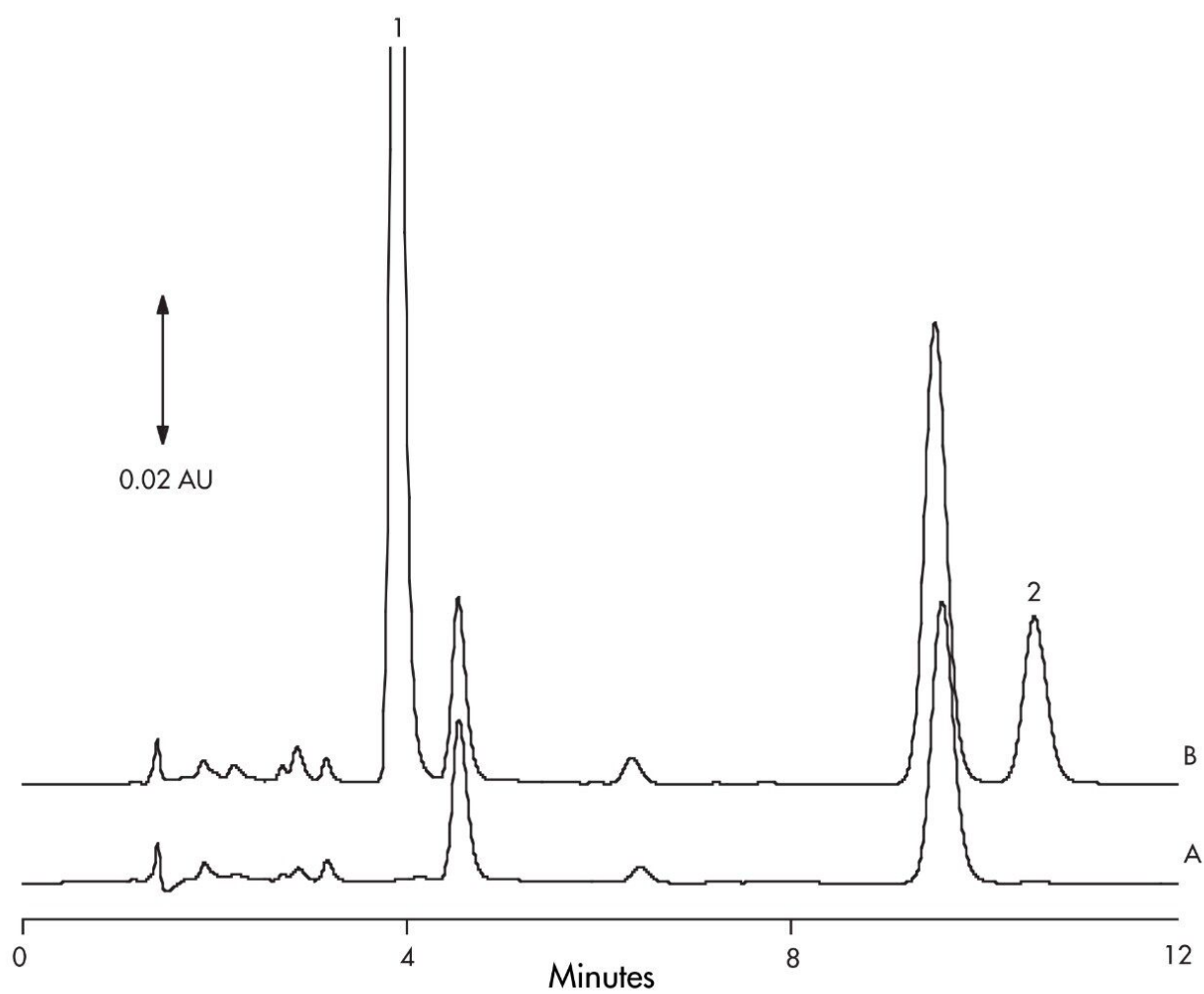
# Oasis<sup>®</sup> HLB Extraction Method

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



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Results and Discussion



Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Acetaminophen	0.100	107%	1.5%
	0.500	101%	0.40%

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