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Nota de aplicación

Procainamide 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 Procainamide in serum using SymmetryShield columns.

Introduction

Compounds used in this application brief are Procainamide and Sulfanilamide.

$$H_2N$$
 N CH_2CH_3 CH_2CH_3

1. Procainamide

2. Sulfanilamide

Experimental

HPLC Method

Column:

SymmetryShield RP₈, 3.9 x 150 mm, 5 μ m (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 μ L of reconstituted porcine serum extract

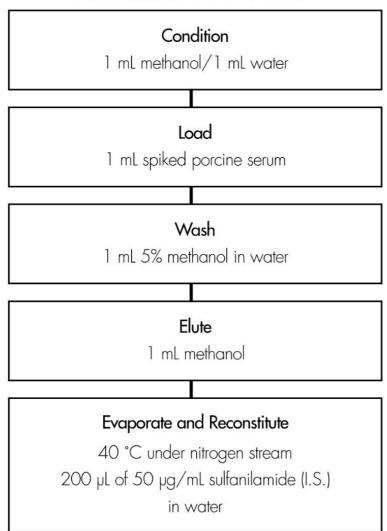
Temperature: 30° C

Detection: UV @ 220 nm

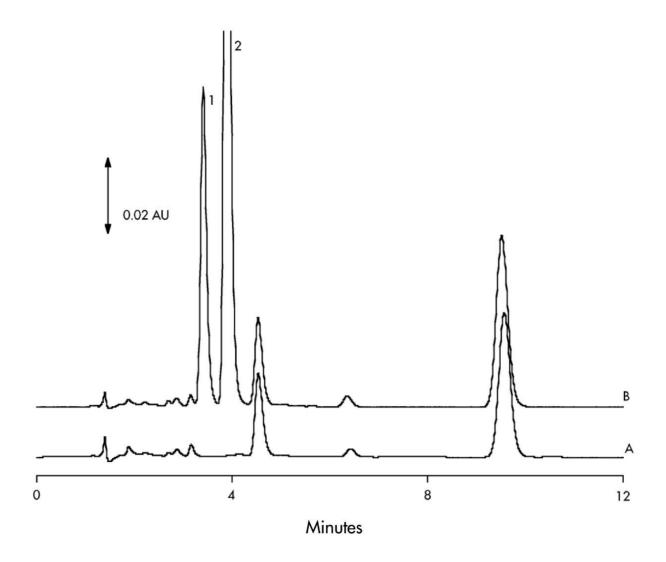
Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Procainamide	0.100	93.8%	1.8%
	0.500	98.1%	2.1%

Oasis® HLB Extraction Method

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



Results and Discussion



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