

Procainamide in Serum

Waters Corporation



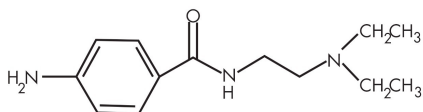
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

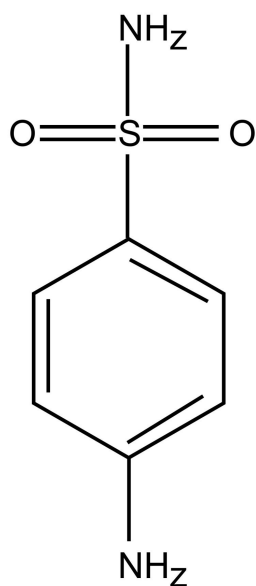
This application brief highlights the analysis of Procainamide in serum using SymmetryShield columns.

Introduction

Compounds used in this application brief are Procainamide and Sulfanilamide.



1. Procainamide



2. Sulfanilamide

Experimental

HPLC Method

Column:

SymmetryShield RP₈, 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

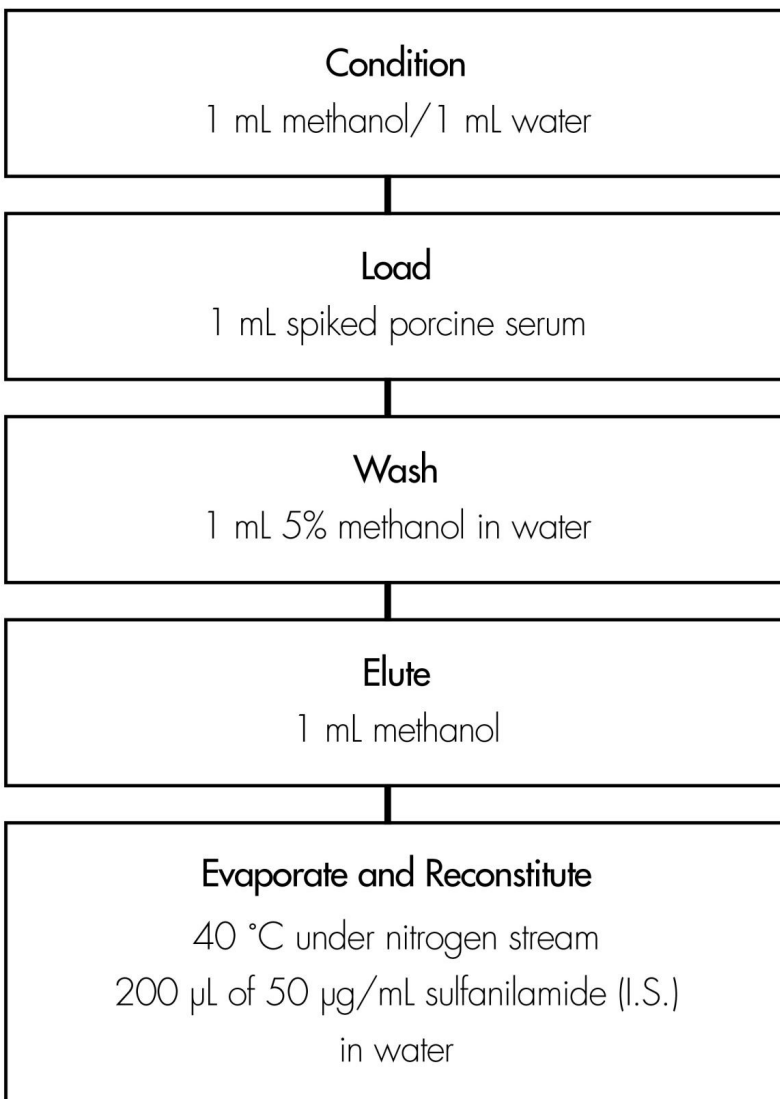
Detection: UV @ 220 nm

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

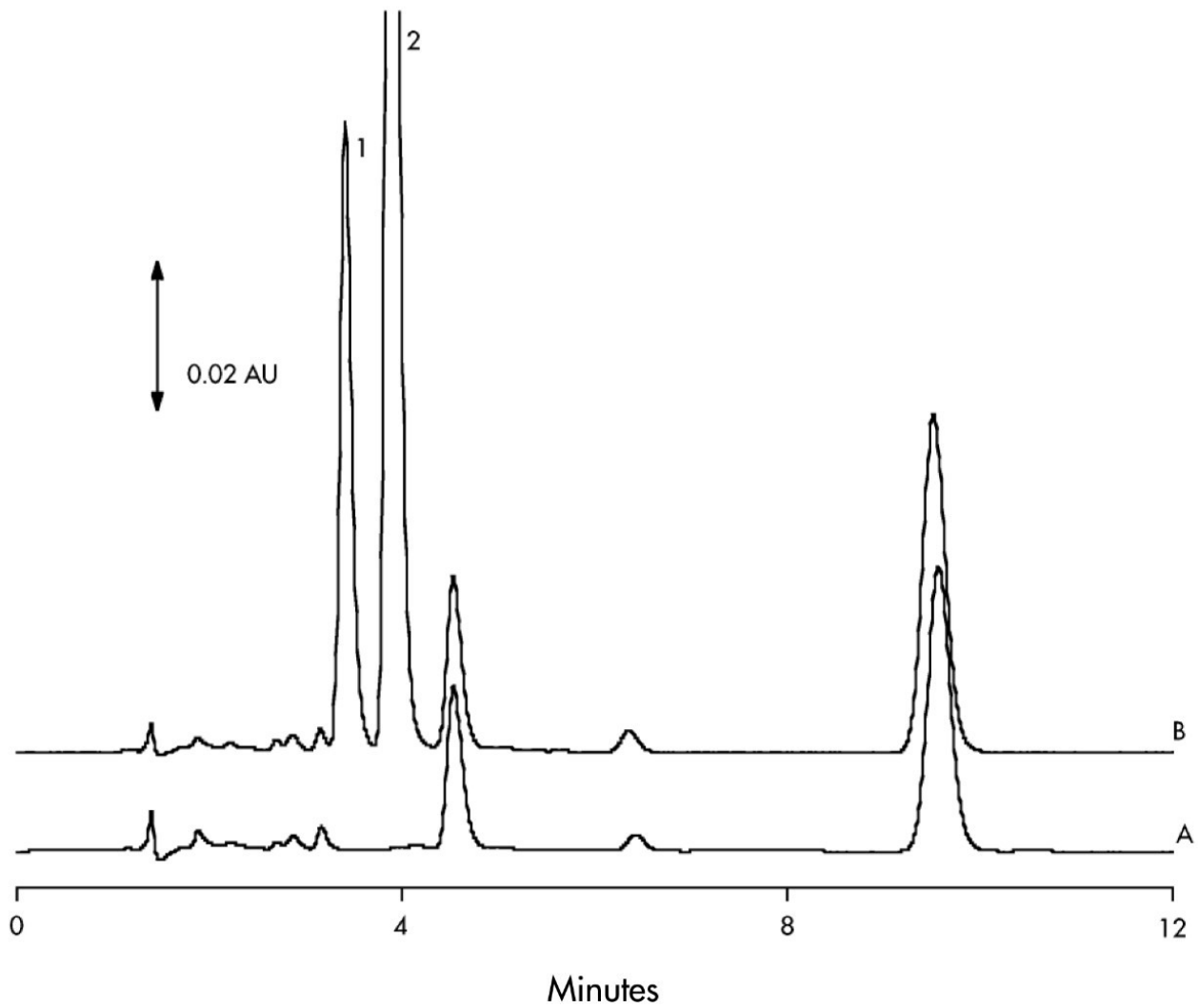
Oasis® HLB Extraction Method

Oasis® HLB 1 cc/30 mg Extraction Cartridge

Part Number WAT094225



Results and Discussion



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WA31763.127, June 2003



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