Waters™



Doxepin in Serum

Waters Corporation

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

Abstract

This application brief demonstrates the analysis of doxepin in serum using Symmetry Columns.

Introduction

The compounds analyzed in this study are:

- 1. Butyl paraben (I.S.)
- 2. Doxepin

1. Butyl paraben

2. Doxepin

Experimental

HPLC Method

Column: Symmetry Shield RP₈, 3.9×150 mm, $5 \mu m$

Guard Column: Symmetry Guard Column, 3.9 x 20 mm, 5 µm

Part numbers: Column - WAT200655, Guard - WAT200675

Mobile phase: 20 mM potassium phosphate, pH 7/methanol

38:62

Flow rate: 1.0 mL/min

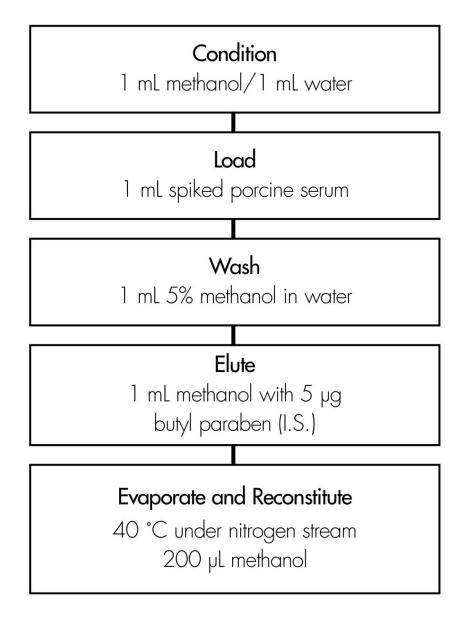
Injection volume: 20 µL of reconstituted porcine serum extract

Temperature: 30 °C

Detection: UV @ 254 nm

Oasis® HLB Extraction Method

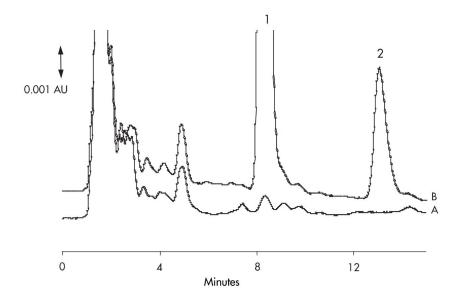
Oasis® HLB 1 cc/30 mg Extraction Cartridge Part Number WAT094225



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Results and Discussion

Compound	Concentration µg/mL	% Recovery	%RSD (n=6)
Doxepin	0.200	95.8%	1.4%
	4.00	96.6%	1.9%



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