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

Detection:

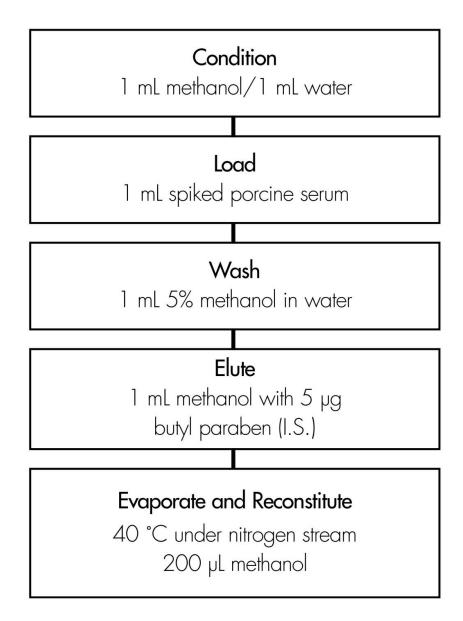
Column:Symmetry Shield RP8, 3.9 x 150 mm, 5 μmGuard Column:Symmetry Guard Column, 3.9 x 20 mm, 5 μmPart numbers:Column - WAT200655, Guard - WAT200675Mobile phase:20 mM potassium phosphate, pH 7/methanol 38:62Flow rate:1.0 mL/minInjection volume:20 μL of reconstituted porcine serum extractTemperature:30 °C

UV @ 254 nm

Doxepin in Serum 2

Oasis® HLB Extraction Method

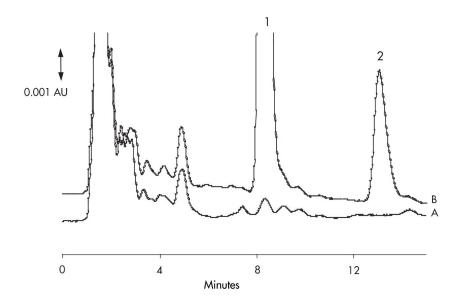
Oasis® HLB 1 cc/30 mg Extraction Cartridge Part Number WAT094225



Doxepin in Serum 3

Results and Discussion

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



Featured Products

WA31763.79, June 2003

© 2022 Waters Corporation. All Rights Reserved.

Doxepin in Serum 5