Waters™

Application Note

Ibuprofen and Naproxen in Serum

Waters Corporation



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

Abstract

This application brief demonstrates analysis of ibuprofen and naproxen in serum.

Introduction

The compounds used in this study are -

1. Naproxen

2. Ibuprofen

1. Naproxen

2. Ibuprofen

Experimental

HPLC Method

Column:	Symmetry Shield RP ₈ , 3.0 x 150 mm, 5 μ m

Guard column: Sentry Guard Column, 3.9 x 20 mm, 5 μ m

Part numbers: Column - WAT094243, Guard - WAT200675

Mobile phase: 1.2% glacial acetic acid in water, Acetonitrile

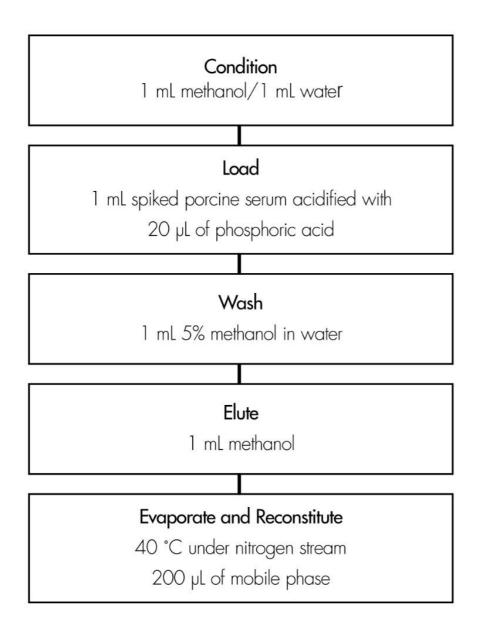
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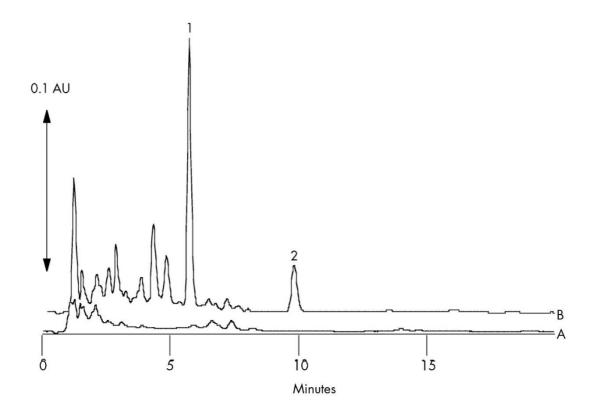
Flow rate: 0.6 mL/min

Injection:	20 μL of reconstituted porcine serum extract
Temperature:	25 °C
Detection:	UV @ 254 nm

Oasis® HLB Extraction Method

Oasis® HLB 1 cc/30 mg Extraction Cartridge Part Number WAT094425





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