

Steroids - 4.6 x 20 mm Intelligent Speed Separation

Waters Corporation



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

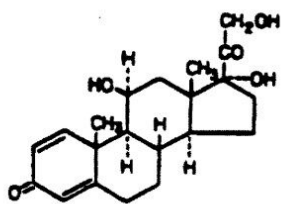
Abstract

This application brief demonstrates analysis of steroids using 4.6 x 20 mm Intelligent Speed Separation Column.

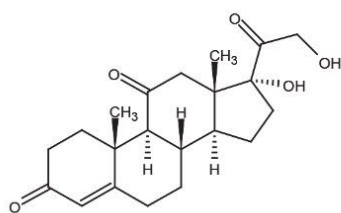
Introduction

The compounds used in this study are -

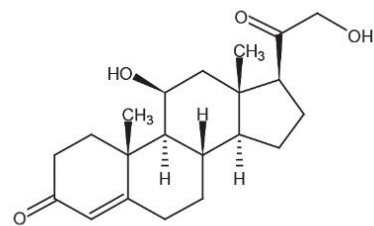
1. Prednisolone
2. Cortisone
3. Corticosterone
4. Estradiol
5. Estrone
6. Progesterone



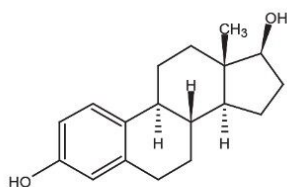
1. Prednisolone



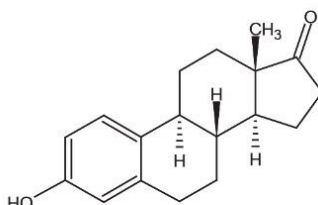
2. Cortisone



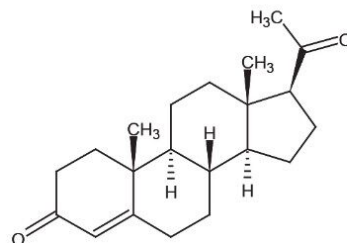
3. Corticosterone



4. Estradiol



5. Estrone



6. Progesterone

Experimental

HPLC Method

Column: Symmetry C₁₈, 4.6 x 20 mm, 3.5 µm IS
Symmetry Shield RP₁₈, 4.6 x 20 mm, 3.5 µm IS

Part numbers: Symmetry - 186002090
Symmetry Shield - 186002092

Mobile phase A: Water

Mobile phase B: ACN

Flow rate: 3.0 mL/min

Injection volume: 10 µL

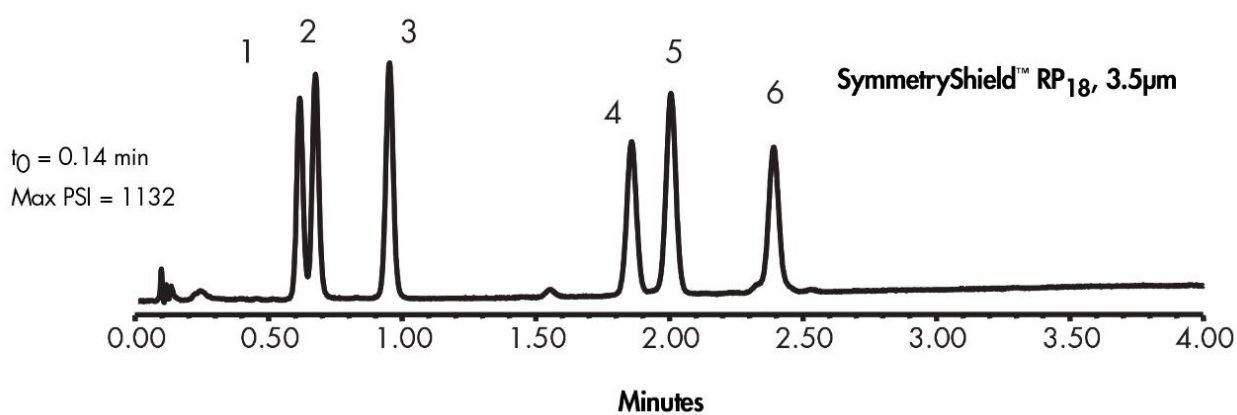
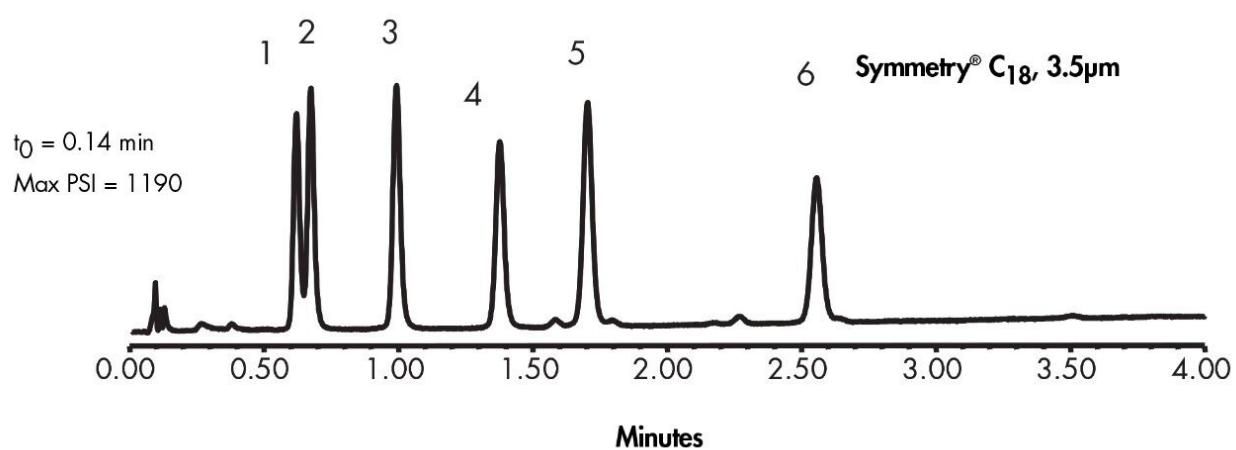
Temperature: 30 °C

Detection: UV @ 220 nm

Gradient

Time (min)	Profile	
	%A	%B
0	80	20
4	36	64

Results and Discussion



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