

Nota applicativa

## Steroids - 4.6 x 20 mm Intelligent Speed Separation

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Waters Corporation



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

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### Abstract

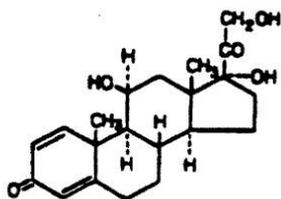
This application brief demonstrates analysis of steroids using 4.6 x 20 mm Intelligent Speed Separation Column.

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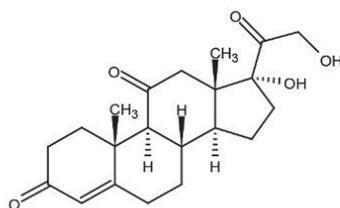
## Introduction

The compounds used in this study are -

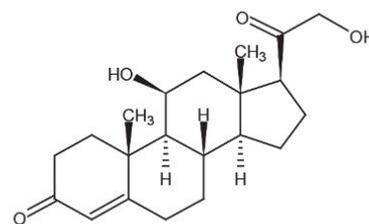
1. Prednisone
2. Cortisone
3. Corticosterone
4. Estradiol
5. Estrone
6. Progesterone



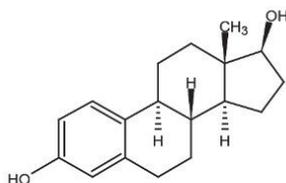
**1. Prednisolone**



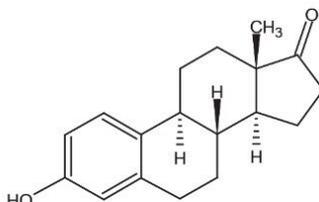
**2. Cortisone**



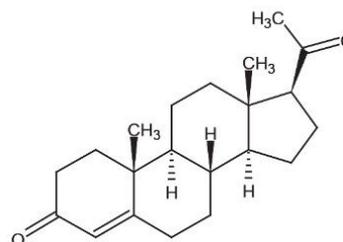
**3. Corticosterone**



**4. Estradiol**



**5. Estrone**



**6. Progesterone**

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## Experimental

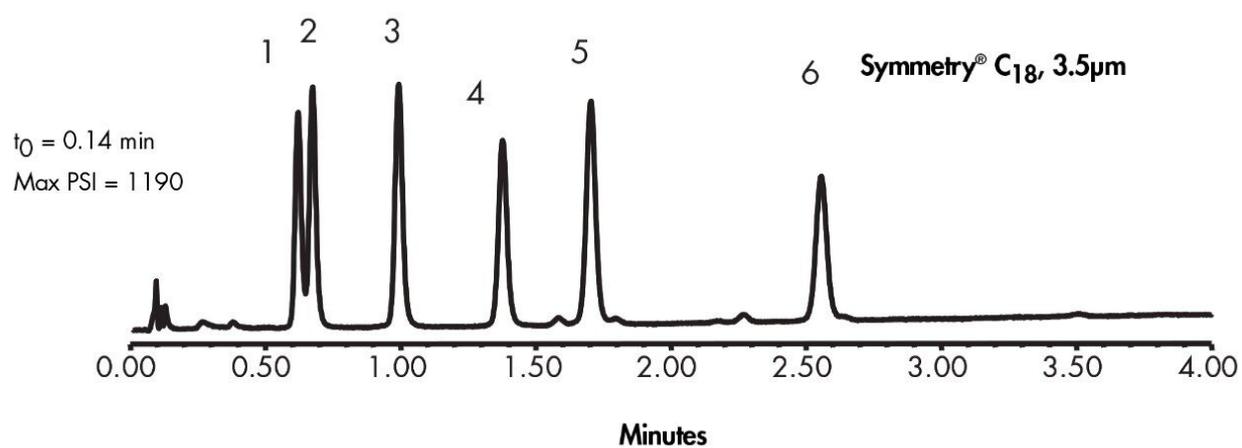
### HPLC Method

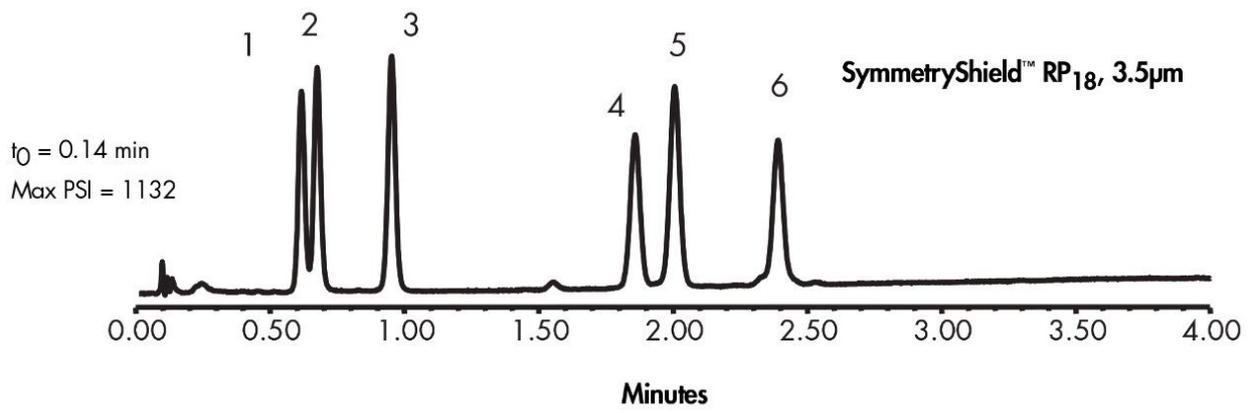
Column:	Symmetry C <sub>18</sub> , 4.6 x 20 mm, 3.5 μm IS Symmetry Shield RP <sub>18</sub> , 4.6 x 20 mm, 3.5 μm IS
Part numbers:	Symmetry - 186002090 Symmetry Shield - 186002092
Mobile phase A:	Water
Mobile phase B:	ACN
Flow rate:	3.0 mL/min
Injection volume:	10 μL
Temperature:	30 °C
Detection:	UV @ 220 nm

## Gradient

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

## Results and Discussion





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## Featured Products

WA31763.152, June 2003