DIONEX D-Library

Analysis of Testosterones Using a Core Enhanced Technology Accucore HPLC Column

Application #611

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General Information

Market: Pharmaceutical
Matrix: N/A
Instrument type: HPLC

Description

This application note demonstrates the use of the Thermo Scientific Accucore RP-MS HPLC column for the fast analysis of three testosterones.

Method Details

Instrument parameters

Instrument Parameter	Value
Run Time Length	2.500 min
Mobile_phase	60:40 (v/v) water / acetonitrile
Column_temperature	40C
Injection_volume	1µL
Flow_rate	0.6mL/min
UV_detection	254nm

Gradient Details

No gradient information available.

Column Details

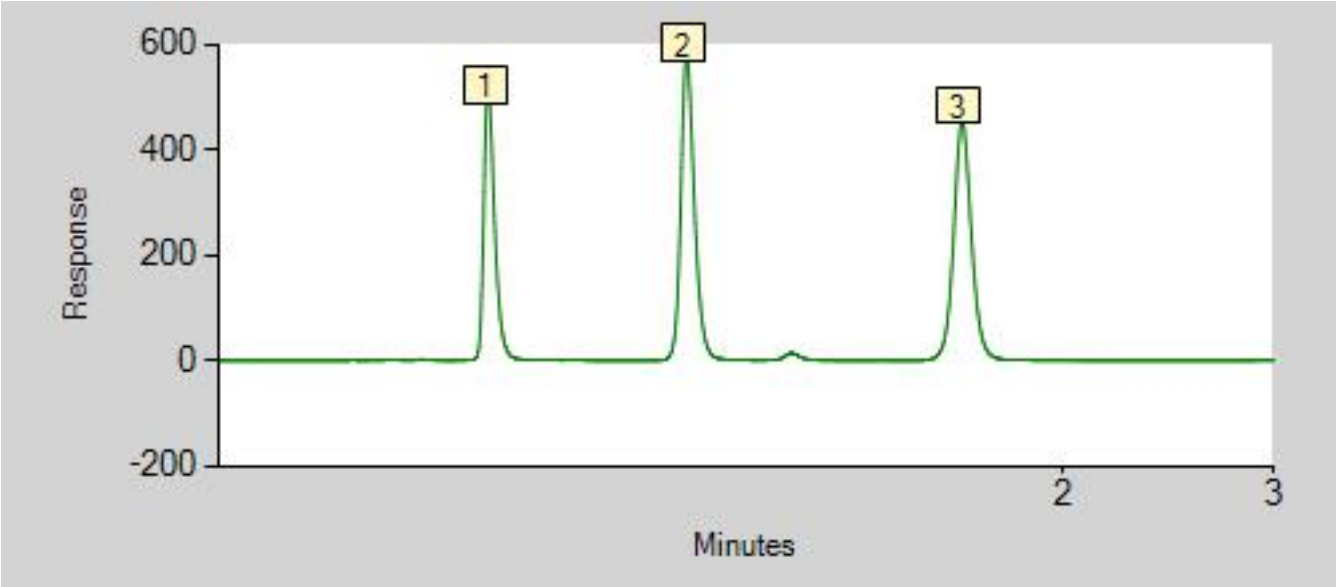
column_A	
Manufacturer	Thermo Scientific
Model	Accucore RP-MS
Diameter	2.1
Length	100
Particle Size	2.6
Packing Material	Accucore RP-MS 2.6 m 100 x 2.1 mm PN 17626-102130

System information

Instrument Type	UHPLC

Results

Channel Detector_1_254nm



No	Peak_Name	*Compound_Class	Retention_Time	Peak_Area	Peak_Area_pc	Peak_Height	Peak_Height_pc	Plates_(USP)	Resolution_(USP)	Tailing_Factor_(USP)
1	11-ketotestosterone	n.a.	0.640	15.070	26.15	519.228	33.57	3235	9.23	1.47
2	19-nortestosterone	n.a.	1.110	21.111	36.63	576.768	37.29	6096	9.94	1.27
3	epitestosterone	n.a.	1.763	21.456	37.23	450.915	29.15	8971	n.a.	1.08

Appendix

The application can be accessed at http://dlibrary.dionex.com/Public/View.aspx?ApplicationID=611

Available Downloads

Filename	Size(bytes)
testosteronesRPMS.pdf	623937

Related Information

No related information available.