Testosterone and 17-OH-Progesterone by LCMS using Gemini NX 3u C18 50x2.1mm

Column:	Gemini® 3 µm NX-C18 110 Å, LC Column 50 x 2 mm, Ea
Dimensions:	50 x 2 mm ID
Order No:	00B-4453-B0
Elution Type:	Gradient
Eluent A:	Water with 0.1% formic acid
Eluent B:	Acetonitrile with 0.1% formic acid

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	80	20
2	2.5	25	75
3	4.5	25	75
4	4.6	80	20
5	6	80	20

Flow Rate:	0.4 mL/min
Col. Temp.:	ambient
Detection:	Circular Dichroism @ 0.0000000000 (ambient)

Products used in this application:
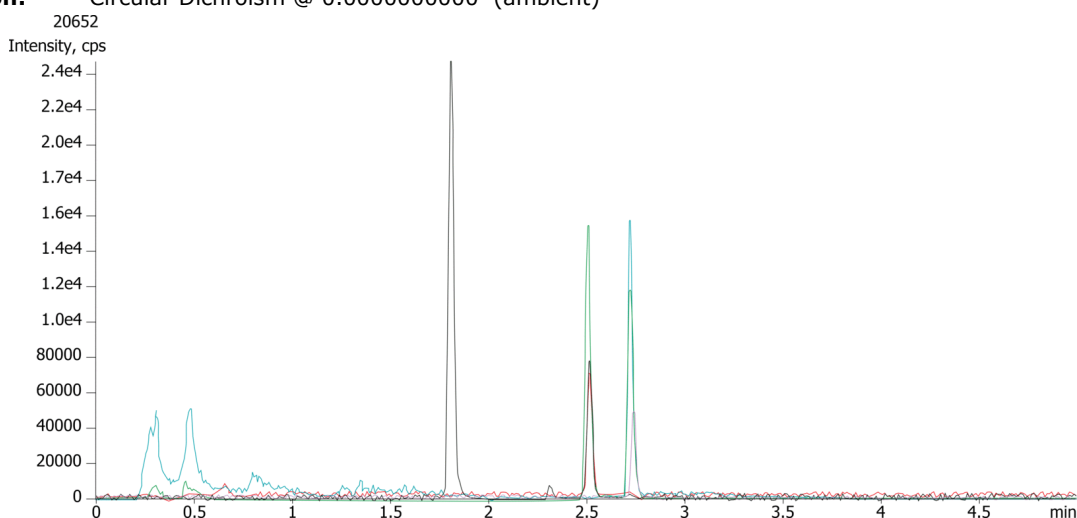
Gemini®

ANALYTES:

1 Testosterone
Retention Time: 2.5 min

2 17-Hydroxyprogesterone
Retention Time: 2.71 min

For more information contact your Phenomenex Representative at international@phenomenex.

Sample Preparation Details

for **HPLC**   Application ID No.:**20652**

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PRODUCT DESCRIPTION:

Strata™-X-A 33 µm Polymeric Strong Anion, 30 mg / 1 mL, Tubes , 100/Pk

Order No.: 8B-S123-TAK

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

Note: The solvent volumes shown below are for a 30 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Wash:

Dry:

high vacuum for 2-3 min

Elute:

Final Prep and Analysis:

Inject: 25 µL on HPLC Circular Dichroism @ 0.0000000000 (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Testosterone	0				
2 17-Hydroxyprogesterone	0				