

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

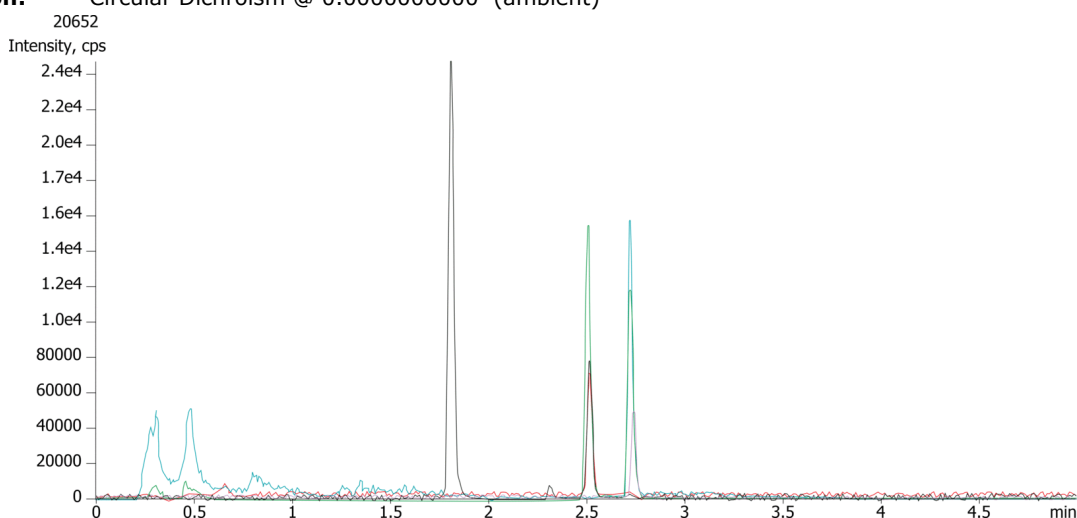
Flow Rate: 0.4 mL/min

Col. Temp.: ambient

Detection: Circular Dichroism @ 0.0000000000 (ambient)



Products used in this application:



ANALYTES:

- 1 Testosterone
Retention Time: 2.5 min
- 2 17-Hydroxyprogesterone
Retention Time: 2.71 min



Sample Preparation Details

for HPLC Application ID No.: 20652

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

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) PROCEDURE:

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				

Note: This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals.
Call your local Phenomenex Representative for assistance in method development and optimization techniques.

©2025 Phenomenex Inc. All rights reserved.

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



Phenomenex products are available worldwide.

www.phenomenex.com

international@phenomenex.com