

# HPLC Application

ID No.: 20652

## 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

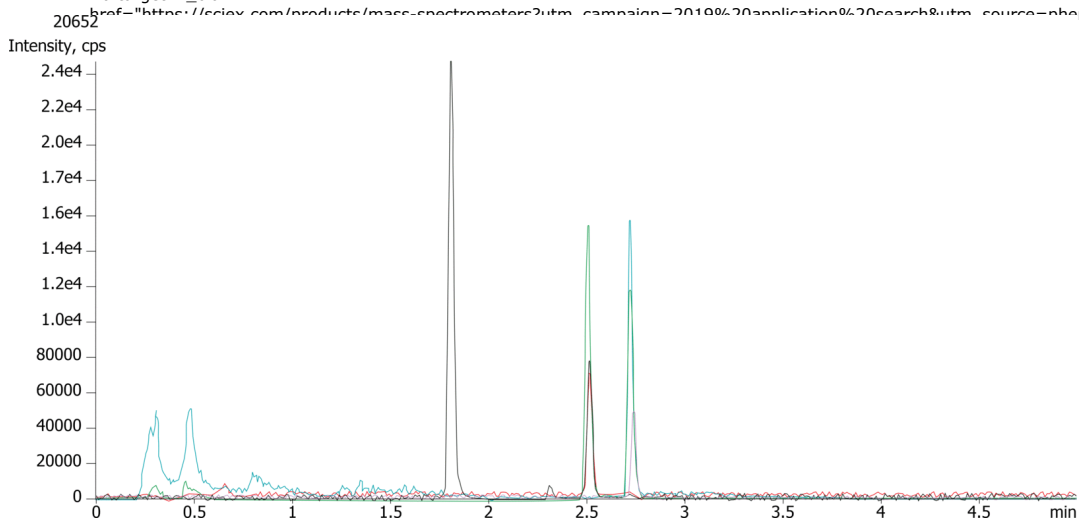
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	2.5	25	75
	3	4.5	25	75
	4	4.6	80	20
	5	6	80	20

**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** <a target="\_blank"



### ANALYTES:

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



Products used in this application:



# Sample Preparation Details

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

### PRODUCT DESCRIPTION:

Strata<sup>™</sup>-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:

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#### Load:

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#### Wash:

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#### Dry:

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high vacuum for 2-3 min

#### Elute:

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#### Final Prep and Analysis:

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Inject: 25 µL on HPLC Tandem Mass Spec (MS-MS) @ (ambient)

<b>ANALYTES:</b>	<b>Spiked Conc.</b> <b>(ng/mL)</b>	<b>Log P</b>	<b>pKa</b>	<b>% Rec</b>	<b>%RSC</b> <b>(n=0)</b>
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.

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



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