HPLC Application

ID No.: **20844**

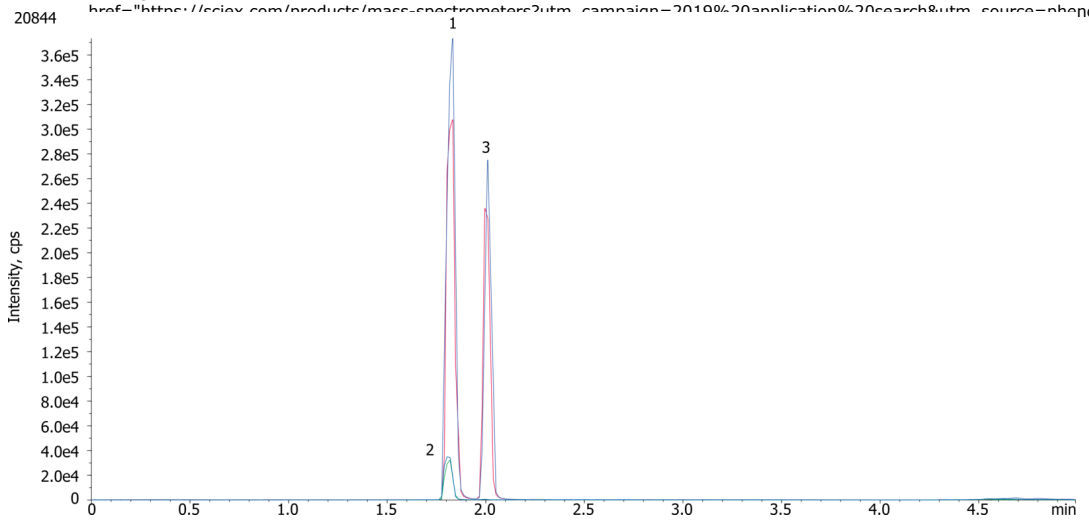
Testosterone-Oxime on Gemini-NX C18, 3um, 50x2 mm

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: 0.1% Formic Acid plus 1 mM Ammonium Formate in DI H2O
Eluent B: 0.1% Formic Acid plus 1 mM Ammonium Formate in ACN

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	70	30
2	1.5	10	90
3	2.5	10	90
4	2.6	70	30
5	5	70	30

Flow Rate: 0.4 mL/min
Col. Temp.: 50 °C
Detection: Mass Spectrometer (MS) @ amu (ambient)
Detector Info: <a target="_blank" href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<,



Products used in this application:

ANALYTES:

1 Testosterone
Retention Time: 1.96 min

2 Testosterone-D3
Retention Time: 1.94 min

3 Epitestosterone
Retention Time: 2.11 min

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

Phenomenex products are available worldwide.

Sample Preparation Details

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Testosterone-Oxime on Gemini-NX C18, 3um, 50x2 mm

PRODUCT DESCRIPTION:

Strata™-X-A 33 µm Polymeric Strong Anion, 30 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S123-TBJ

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:

Elute:

Final Prep and Analysis:

Inject: 25 µL on HPLC Mass Spectrometer (MS) @ amu (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Testosterone	0				
2 Testosterone-D3	0				
3 Epitestosterone	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.*