

Steroids in a Blank Urine Sample on Gemini 5µm C18 150 x 3mm ID

Column: Gemini® 5 µm C18 110 Å, LC Column 150 x 3 mm, Ea

Dimensions: 150 x 3 mm ID

Order No: 00F-4435-Y0

Elution Type: Gradient

Eluent A: 0.1 % Formic Acid in Water

Eluent B: 0.1 % Formic Acid in 95% Acetonitrile/Water

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	60	40
	2	4	100	0
	3	15	25	75
	4	15.1	40	60
	5	20	40	60

Flow Rate: 0.6 mL/min

Col. Temp.: ambient

Detection: Mass Spectrometer (MS) @ amu (450 °C)

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C18 4 x 2.0mm, 10/Pk Part No.: AJ0-7596

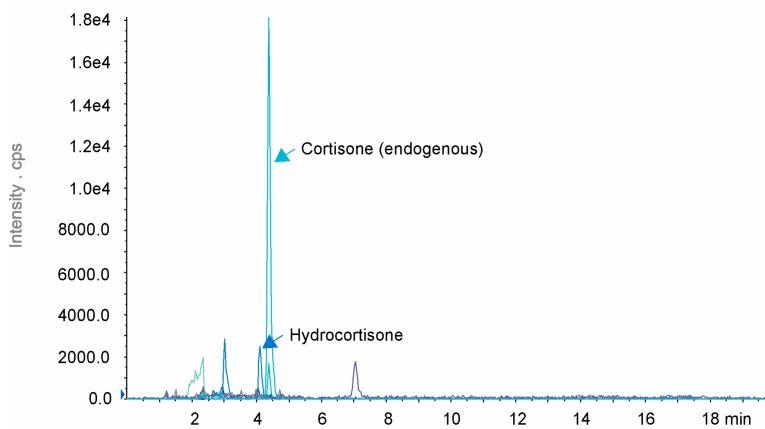
- Holder Part No.: KJ0-4282



Products used in this application:



Extracted ion chromatogram of different MS/MS steroids from urine blank
App ID 17972



Steroids in a Blank Urine Sample on Gemini 5 μ m C18 150 x 3mm ID

ANALYTES:

- 1 Triamcinolone
- 2 Prednisolone
- 3 Cortisone
- 4 Betamethasone (internal standard)
- 5 Corticosterone
- 6 Triamcinolone acetonide
- 7 11-alpha-Hydroxyprogesterone
- 8 Cortisone acetate
- 9 11-Ketoprogesterone
- 10 Betamethasone 17-valerate



Sample Preparation Details

for HPLC Application ID No.: 17972

Steroids in a Blank Urine Sample on Gemini 5µm C18 150 x 3mm ID

PRODUCT DESCRIPTION:

Strata[™]-X 33 µm Polymeric Reversed Phase, 30 mg / 1 mL, Tubes , 100/Pk

Order No.: 8B-S100-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:

Spiked human serum or urine (diluted 1:1 with water)

Wash:

Dry:

Elute:

Final Prep and Analysis:

Inject: 10 µL on HPLC Mass Spectrometer (MS) @ amu (450°C)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Triamcinolone	0				
2 Prednisolone	0				
3 Cortisone	0				
4 Betamethasone	0				
5 Corticosterone	0				
6 Triamcinolone acetonide	0				
7 11-alpha-Hydroxyprogesterone	0				
8 Cortisone acetate	0				
9 11-Ketoprogesterone	0				
10 Betamethasone 17-valerate	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 info@phenomenex.com



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