

HPLC Application

ID No.: 27378

2023 MSACL poster_LLOQ peak_ Estrone

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 3 mm, Ea

Dimensions: 50 x 3 mm ID

Order No: 00B-4462-Y0

Elution Type: Gradient

Eluent A: 0.5 mM NH₄F (aq)

Eluent B: MeOH

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	60	40
	10	5	5	95
	11	6	5	95
	12	6.5	60	40
	13	8	69	60
	8	2	50	50
	9	4.5	25	75

Flow Rate: 800 µL/min

Col. Temp.: 30 °C

Detection: LC/MS/MS @ (700 °C)



Products used in this application:



ANALYTES:



Sample Preparation Details

for HPLC Application ID No.: 27378

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PRODUCT DESCRIPTION:

Strata[™]-X 33 µm Polymeric Reversed Phase, 30 mg / well, 96-Well Plates , 2/Pk

Order No.: 8E-S100-TGB

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a 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:

Dilute 500 µL serum sample with 500 µL 1% FA.

Inject: 5 µL on HPLC LC/MS/MS @ (700°C)

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