

Phospholipid Removal Phree vs. Traditional PPT(Zoomed Scale)

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4462-AN

Elution Type: Gradient

Eluent A: 0.1% Formic Acid in Water

Eluent B: 0.1% Formic Acid in Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	40	60
	2	0.5	5	95
	3	15.5	5	95
	4	15.51	40	60
	5	19.5	40	60

Flow Rate: 400 µL/min

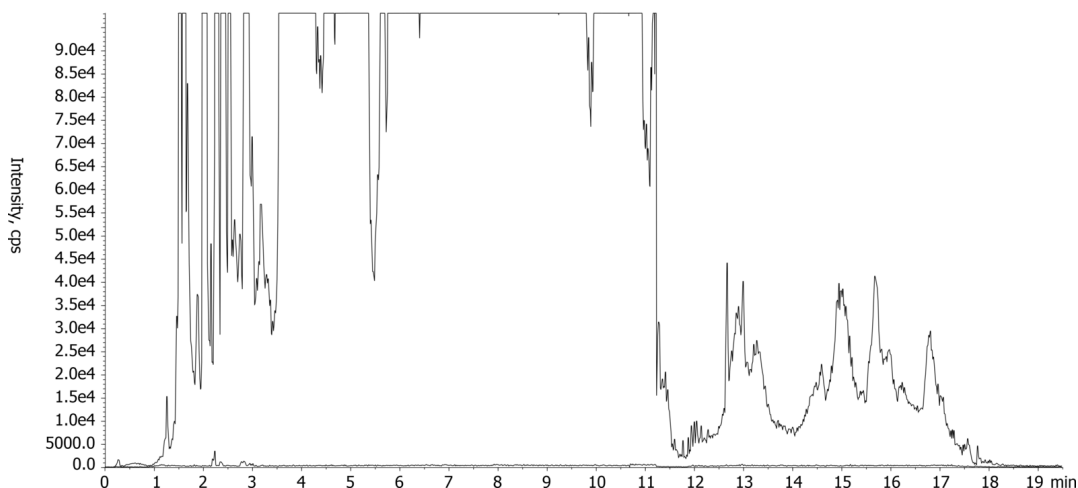
Col. Temp.: ambient

Detection: Mass Spectrometer (MS) @ 184 amu (425 °C)

Analyst Note: Extracted sample was prepped with Phenomenex Phree Phospholipid Removal Plate. Step 1: Add 300uL of 1% formic acid in acetonitrile directly to Phree plate. Step 2: Add 100uL of plasma directly to Phree plate. Vortex and extract. This was compared to standard protein precipitated plasma



Products used in this application:



ANALYTES:

- 1 Phospholipid Profile



Sample Preparation Details

for HPLC Application ID No.: 20012

Phospholipid Removal Phree vs. Traditional PPT(Zoomed Scale)

PRODUCT DESCRIPTION:

Phree™ Phospholipid Removal, 30 mg / well, 96-Well Plates , 2/Pk

Order No.: 8E-S133-TGB

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:

Dispense 300 uL ACN with 1% Formic acid into the wells of the plate.

Add 100 uL of plasma.

Mix by vortexing or aspiration.

Filter via centrifugation, vacuum, or positive pressure.

Wash:

Dry:

Elute:

Final Prep and Analysis:

Inject: 2 µL on HPLC Mass Spectrometer (MS) @ 184 amu (425°C)

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