

## 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

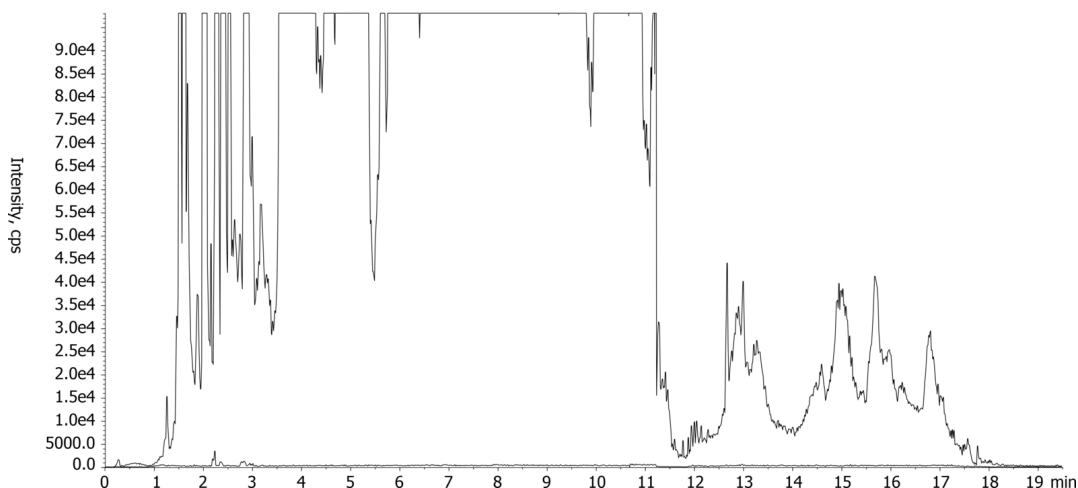
**Col. Temp.:** ambient

**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:

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#### Load:

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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:

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#### Dry:

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#### Elute:

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#### Final Prep and Analysis:

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

| ANALYTES:              | Spiked Conc.<br>(ng/mL) | Log P | pKa | % Rec | %RSC<br>(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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