

HPLC Application

ID No.: 24171

uCATs by LCMS using Luna Omega 3um Polar C18 50x4.6mm

Column: Luna® Omega 3 µm Polar C18 100 Å, LC Column 50 x 4.6 mm, Ea

Dimensions: 50 x 4.6 mm ID

Order No: 00B-4760-E0

Elution Type: Gradient

Eluent A: Water with 0.1% formic acid

Eluent B: Methanol with 0.1% formic acid

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 100 | 0 |
| | 2 | 3 | 0 | 100 |

Flow Rate: 0.7 mL/min

Col. Temp.: 25 °C

Detection: Tandem Mass Spec (MS-MS) @ (ambient)

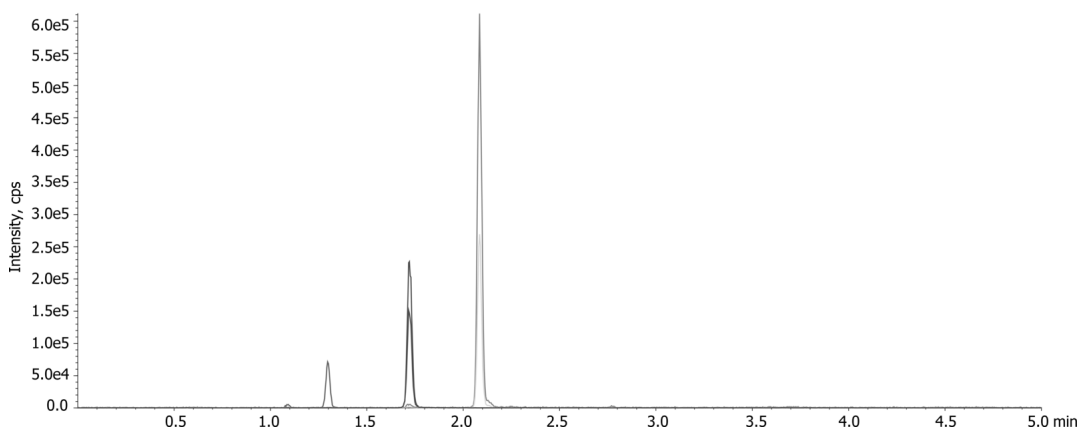
Detector Info:

24171

https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral



Products used in this application:



ANALYTES:

- 1 Metanephrine
- 2 Normetanephrine
- 3 3-Methoxytyramine



Sample Preparation Details

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PRODUCT DESCRIPTION:

Strata™-X-CW Polymeric Weak Cation, microelution 2 mg / well, 96-Well Plates , 1/Pk

Order No.: 8M-S035-4GA

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a 2 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Wash:

Dry:

3 minutes under high vacuum

Elute:

Final Prep and Analysis:

Pool eluents and dilute with 100 µL of 0.1% Formic acid in water

Inject: 5 µL on HPLC Tandem Mass Spec (MS-MS) @ (ambient)

| ANALYTES: | Spiked Conc. (ng/mL) | Log P | pKa | % Rec | %RSC (n=0) |
|---------------------|-------------------------|-------|-----|-------|---------------|
| 1 Metanephine | 0 | | | | |
| 2 Normetanephine | 0 | | | | |
| 3 3-Methoxytyramine | 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 support@phenomenex.com



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