

# 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)

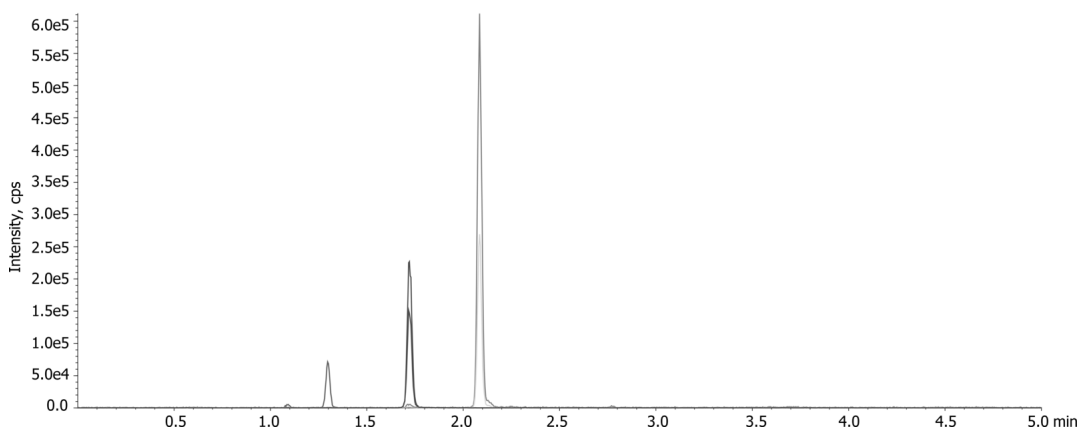
**Detector Info:**

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[https://sciex.com/products/mass-spectrometers?utm\\_campaign=2019%20application%20search&utm\\_source=phenomenex&utm\\_medium=referral](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:

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#### Load:

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#### Wash:

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#### Dry:

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3 minutes under high vacuum

#### Elute:

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#### Final Prep and Analysis:

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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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