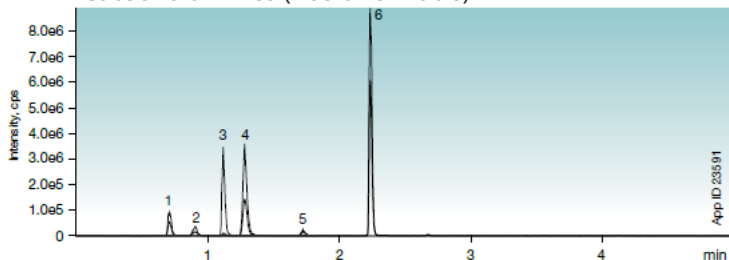


Catecholamines, PMETs and Acidic Metabolites

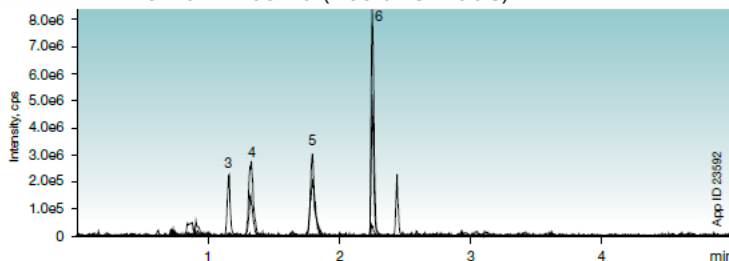
Luna Omega 1.6 µm Polar C18

| Application IDs: 23591, 23592 & 23593

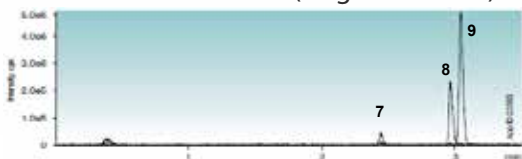
Catecholamines (Positive Mode)



PMETs from Plasma (Positive Mode)



Acidic Metabolites (Negative Mode)



Column: Luna Omega 1.6 µm Polar C18

Dimension: 100 x 2.1 mm

Part No.: 00D-4748-AN

Mobile Phase: A: Water with 0.1 % Formic acid

B: Acetonitrile with 0.1 % Formic acid

| Gradient: | Time (min) | % B |
|-----------|------------|-----|
| | 0 | 0 |
| | 3 | 90 |
| | 3.1 | 0 |

Flow Rate: 0.4 mL/min

Temperature: 50 °C

Detection: MS/MS

- Sample:
1. Norepinephrine
 2. Epinephrine
 3. Normetanephrine
 4. Dopamine
 5. Metanephrine
 6. 3-Methoxy tyramine
 7. Vanillylmandelic acid (VMA)
 8. 5-Hydroxyindoleacetic acid (5-HIAA)
 9. Homovanillic acid (HVA)

Recommended Sample Preparation Method

SPE Media: Strata-X-CW Polymeric Weak Cation

Size: microelution 96-well plate, 2mg/well

Part No.: 8M-S035-4GA

Condition: 200 µL Methanol

Equilibrate: 200 µL Water

Load: 250 µL Plasma diluted with 250 µL Water

Wash: 200 µL 50:50 Acetonitrile:IPA

Dry: 1 minute at 10" Hg to remove excess wash solvent

Elute: Elute: 2 x 25 µL 85:15 Acetonitrile:H2O with 2 % Formic acid