

Gabapentin extracted from plasma (10 µg/mL) using PPT on a Kinetex C18 2.6µm, 50x2.1mm

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: 5 mM Ammonium formate

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	97	3
	2	1	97	3
	3	3	10	90

Flow Rate: 0.4 mL/min

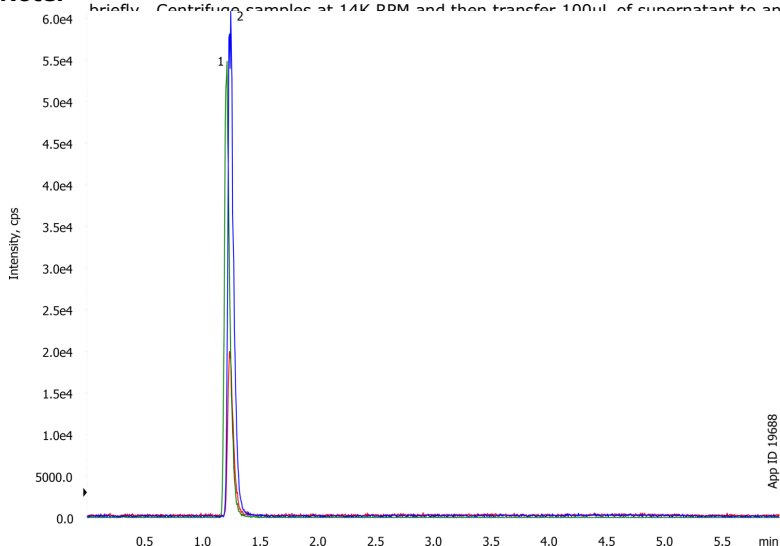
Col. Temp.: ambient

Detection: Mass Spectrometer (MS) @ amu (ambient)

Detector Info: <a target="_blank"

Analyst Note:

href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX
Sample prep: Combine 100µL of plasma and 100µL of 10% TCA (containing internal standard at appropriate concentration) in a centrifuge vial. Mix briefly. Centrifuge samples at 14K RPM and then transfer 100µL of supernatant to an autosampler vial. Dilute sample 10X with water before



ANALYTES:

- 1 Gabapentin-d4 (176.2>158.2)
Retention Time: 1.4 min
- 2 Gabapentin (172.2>154.2, 172.2>137.2)
Retention Time: 1.4 min



Products used in this application:

