

# HPLC Application

ID No.: 22715

## Opiates at high pH using Kinetex 5u EVO C18 50 x 2.1 mm

**Column:** Kinetex<sup>®</sup> 5 $\mu$ m EVO C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4633-AN

**Elution Type:** Gradient

**Eluent A:** 10mM Ammonium Bicarbonate

**Eluent B:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	0.5	90	10
	3	2	75	25
	4	4.5	20	80
	5	4.51	15	85
	6	5.5	15	85
	7	5.51	90	10
	8	7	90	10

**Flow Rate:** 500  $\mu$ L/min

**Col. Temp.:** 40 °C

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

**Detector Info:**

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<a target="\_blank" href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX</p></div>

Products used in this application:

The chromatogram displays detector response over a 6-minute run. The y-axis represents intensity, ranging from 0 to 2.8e5. The x-axis represents time in minutes, from 0 to 6. Several peaks are visible, with the most prominent ones occurring between 3.5 and 6.0 minutes. The peaks are color-coded, likely corresponding to different compounds or components in the sample.

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### ANALYTES:

- 1 Meprobamate
- 2 Normepiridine
- 3 Mepiridine
- 4 Carisoprodol
- 5 Tramadol
- 6 Hydromorphone
- 7 Morphine
- 8 Codeine
- 9 Hydrocodone
- 10 Oxymorphone
- 11 Methadone
- 12 Oxycodone
- 13 6-MAM
- 14 Norbuprenorphine
- 15 Buprenorphine

