

# HPLC Application

ID No.: 16641

## Polar bases (beta blockers) at high pH (ammonium bicarbonate pH 10.5) on Gemini-NX 5 $\mu$

**Column:** Gemini<sup>®</sup> 5  $\mu$ m NX-C18 110 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4454-E0

**Elution Type:** Gradient

**Eluent A:** 10mM Ammonium Bicarbonate pH 10.5

**Eluent B:** Acetonitrile

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	85	15
	<b>2</b>	15	70	30
	<b>3</b>	20	50	50
	<b>4</b>	25	50	50

**Flow Rate:** 1.5 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient)

**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

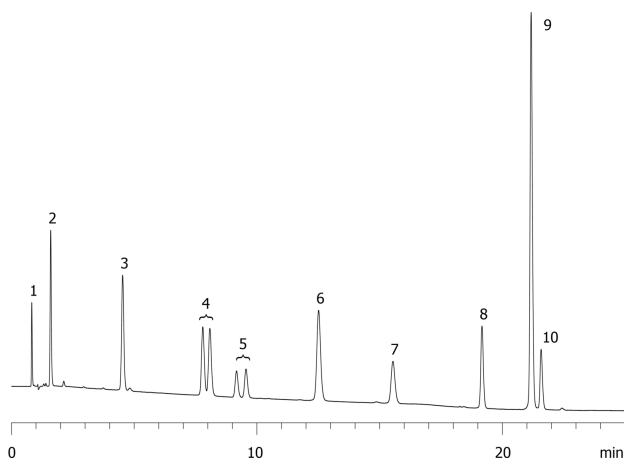
- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282

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Products used in this application:



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### ANALYTES:

- 1 Bisoprolol
- 2 Sotalol
- 3 Atenolol
- 4 Labetalol
- 5 Labetalol
- 6 Nadolol
- 7 Nadolol
- 8 Pindolol
- 9 Metoprolol
- 10 Bisoprolol
- 11 Propranolol
- 12 Alprenolol

