

# HPLC Application

ID No.: 15625

## Acid, Base, and Neutral Compounds by Luna 3 $\mu$ Phenyl-Hexyl MercuryMS Cartridge 20 x 2.0mm

**Column:** Luna<sup>®</sup> 3  $\mu$ m Phenyl-Hexyl 100  $\text{\AA}$ , LC Column 20 x 2 mm, Mercury, Ea

**Dimensions:** 20 x 2 mm ID

**Order No:** 00M-4256-B0-CE

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in Water

**Eluent B:** 0.1% Formic acid in Methanol

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	90	10
	<b>2</b>	1	5	95
	<b>3</b>	1.2	95	5
	<b>4</b>	1.21	90	10
	<b>5</b>	2	90	10

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 251 nm (25  $^{\circ}$ C)

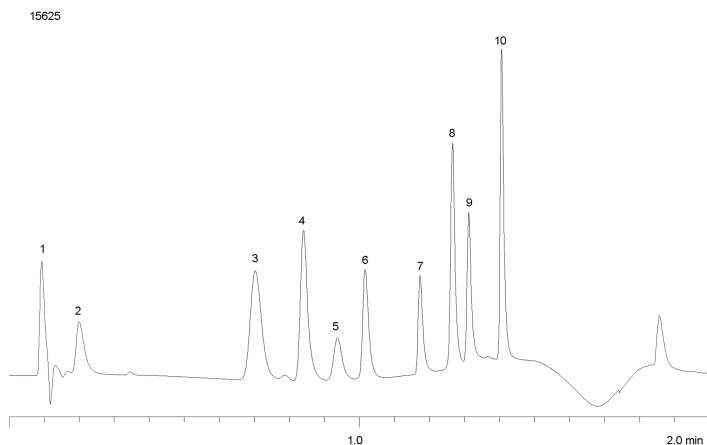
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Phenyl 4 x 2.0mm, 10/Pk Part No.: AJ0-4350

- Holder Part No.: KJ0-4282



Products used in this application:



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### ANALYTES:

- 1 Pyridine
- 2 Sulfanilamide
- 3 Quinidine
- 4 Sulfathiazole
- 5 Phenol
- 6 Triprolidine (Actidil)
- 7 Nortriptyline
- 8 3-Methyl-4-nitrobenzoic acid
- 9 5-Methyl-salicylaldehyde
- 10 Hexaphenone

