

# HPLC Application

ID No.: 18457

## Sulfonamides on Gemini 5u, C18, 150x3.0

**Column:** Gemini<sup>®</sup> 5 μm C18 110 Å, LC Column 150 x 3 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4435-Y0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid/water

**Eluent B:** 0.1% formic acid/ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	8	30	70

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** ambient

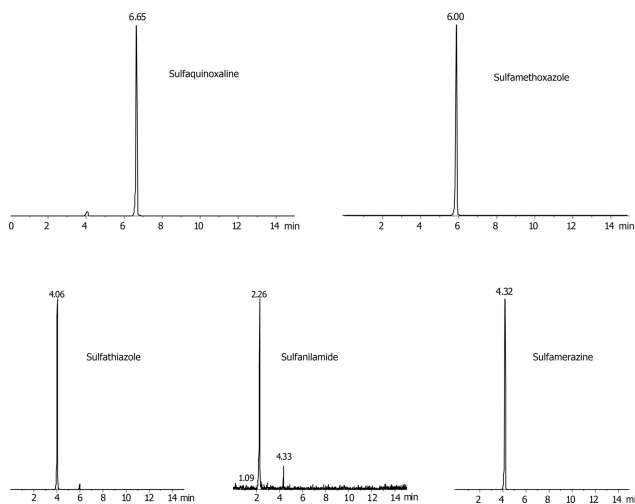
**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Analyst Note:** HPLC system: HP 1100 MS detector: API 3000, LC/MS/MS, Turbo spray: ESI, positive ion mode; MRM; heater gas flow 70 L/min, heater temp: 125°C

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Products used in this application:



### ANALYTES:

- 1** Sulfanilamide  
Retention Time: 2.26 min
- 2** Sulfathiazole  
Retention Time: 4.08 min
- 3** Sulfamerazine  
Retention Time: 4.31 min
- 4** Sulfamethoxazole  
Retention Time: 6.01 min
- 5** Sulfaquinolaxine  
Retention Time: 6.66 min

