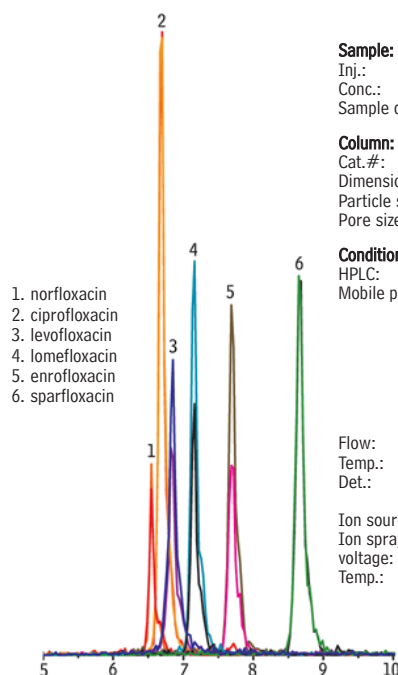


## Antibiotic Fluoroquinolones by LC/MS/MS on Allure® PFP Propyl

new!



**Sample:**  
 Inj.: 5µL  
 Conc.: 50ng/mL  
 Sample diluent: mobile phase

**Column:** Allure® PFP Propyl  
 Cat.#: 9169352  
 Dimensions: 50mm x 2.1mm  
 Particle size: 3µm  
 Pore size: 60Å

**Conditions:**  
 HPLC: Shimadzu Prominence  
 Mobile phase: A: 0.1% formic acid in water  
 B: 0.1% formic acid in acetonitrile

Time (min.)	%B
0.00	10
10.00	90
10.10	10
15.00	10

Flow: 300µL/min.  
 Temp.: 30°C  
 Det.: Applied Biosystems/MDS SCIEX  
 API 3200™ MS/MS system  
 ElectroSpray/TurboIonSpray®

Ion source:  
 Ion spray  
 voltage: positive 4000V  
 Temp.: 600°C

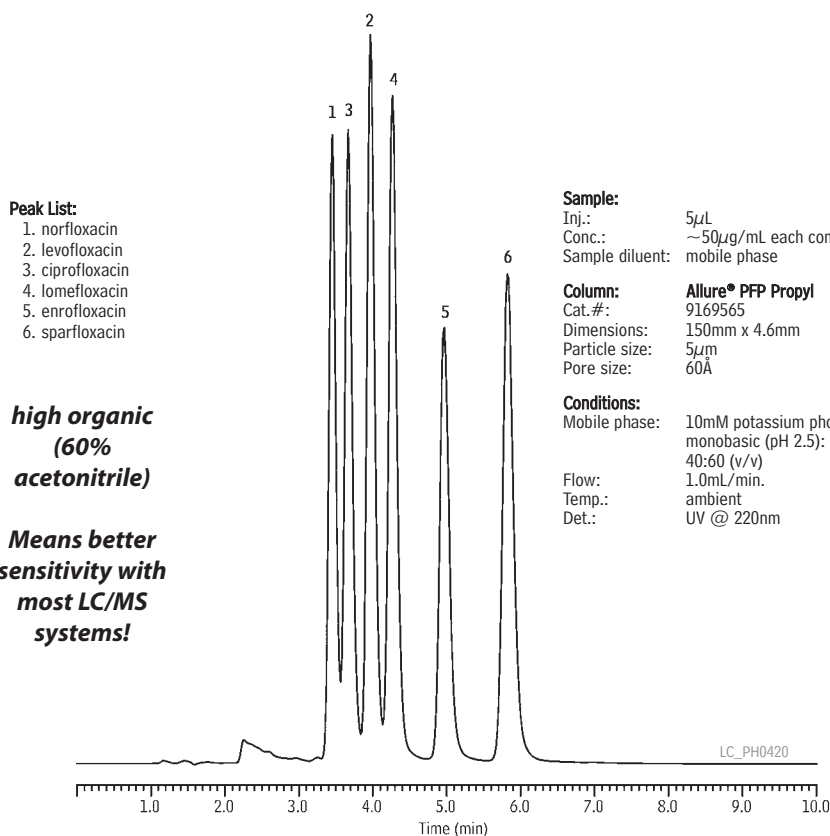
Compound	Precursor Ion	Fragment Ion	Decustering Potential (V)	Collision Energy (V)
1. norfloxacin	319.9	276.0 233.1	36.00 36.00	23.00 35.00
2. ciprofloxacin	332.1	288.2 244.9	41.00 41.00	23.00 31.00
3. levofloxacin	362.1	318.1 261.0	31.00 31.00	25.00 41.00
4. lomefloxacin	351.9	265.1 308.0	41.00 41.00	29.00 23.00
5. enrofloxacin	360.2	316.1 245.3	36.00 36.00	25.00 37.00
6. sparfloxacin	393.1	349.4 292.2	36.00 36.00	25.00 29.00

LC\_PH0426

Instrument provided courtesy of Applied Biosystems (www.appliedbiosystems.com)

## Antibiotic Fluoroquinolones on Allure® PFP Propyl

new!



**Peak List:**  
 1. norfloxacin  
 2. levofloxacin  
 3. ciprofloxacin  
 4. lomefloxacin  
 5. enrofloxacin  
 6. sparfloxacin

**high organic  
 (60%  
 acetonitrile)**

**Means better  
 sensitivity with  
 most LC/MS  
 systems!**

**Sample:**  
 Inj.: 5µL  
 Conc.: ~50µg/mL each component  
 Sample diluent: mobile phase

**Column:** Allure® PFP Propyl  
 Cat.#: 9169565  
 Dimensions: 150mm x 4.6mm  
 Particle size: 5µm  
 Pore size: 60Å

**Conditions:**  
 Mobile phase: 10mM potassium phosphate  
 monobasic (pH 2.5): acetonitrile,  
 40:60 (v/v)

Flow: 1.0mL/min.  
 Temp.: ambient  
 Det.: UV @ 220nm

LC\_PH0420