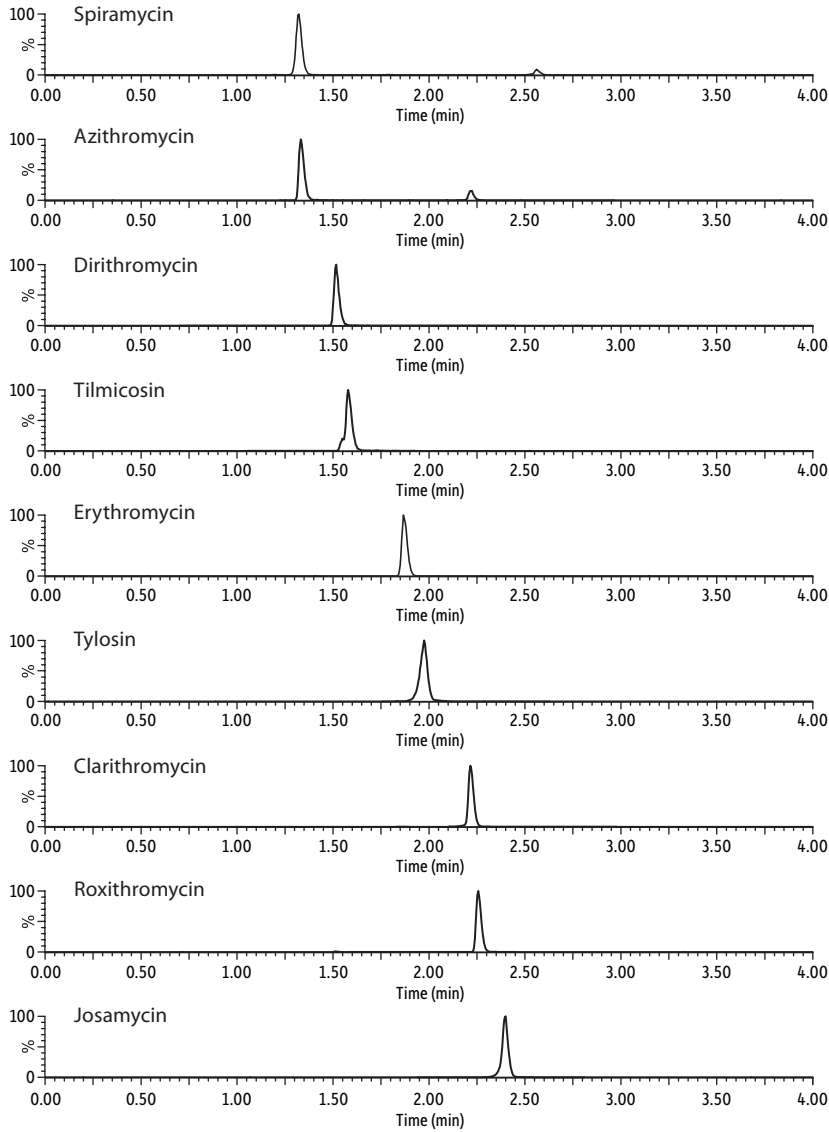


# Macrolide Antibiotics on Raptor™ C18 by LC-MS/MS



LC\_CF0600

| Peaks             | tr (min) | Precursor Ion | Product Ion |
|-------------------|----------|---------------|-------------|
| 1. Spiramycin     | 1.32     | 844.21        | 174.28      |
| 2. Azithromycin   | 1.33     | 750.14        | 591.83      |
| 3. Dirithromycin  | 1.52     | 836.26        | 158.23      |
| 4. Tilmicosin     | 1.58     | 870.23        | 174.29      |
| 5. Erythromycin   | 1.87     | 735.09        | 158.23      |
| 6. Tylosin        | 1.98     | 917.26        | 174.28      |
| 7. Clarithromycin | 2.22     | 749.11        | 158.22      |
| 8. Roxithromycin  | 2.26     | 838.21        | 158.23      |
| 9. Josamycin      | 2.40     | 829.15        | 109.18      |

**Column** Raptor™ C18 (cat.# 9304512)  
**Dimensions:** 100 mm x 2.1 mm ID  
**Particle Size:** 5 µm  
**Pore Size:** 90 Å  
**Temp.:** 40 °C

**Sample**  
**Diluent:** Water:acetonitrile (50:50)  
**Conc.:** 100 ng/mL  
**Inj. Vol.:** 5 µL

**Mobile Phase**  
**A:** 0.1% Formic acid in water  
**B:** 0.1% Formic acid in acetonitrile

| Time (min) | Flow (mL/min) | %A | %B |
|------------|---------------|----|----|
| 0.00       | 0.4           | 80 | 20 |
| 3.00       | 0.4           | 35 | 65 |
| 3.01       | 0.4           | 80 | 20 |
| 4.50       | 0.4           | 80 | 20 |

**Detector** MS/MS  
**Ion Mode:** ESI+  
**Instrument** UHPLC