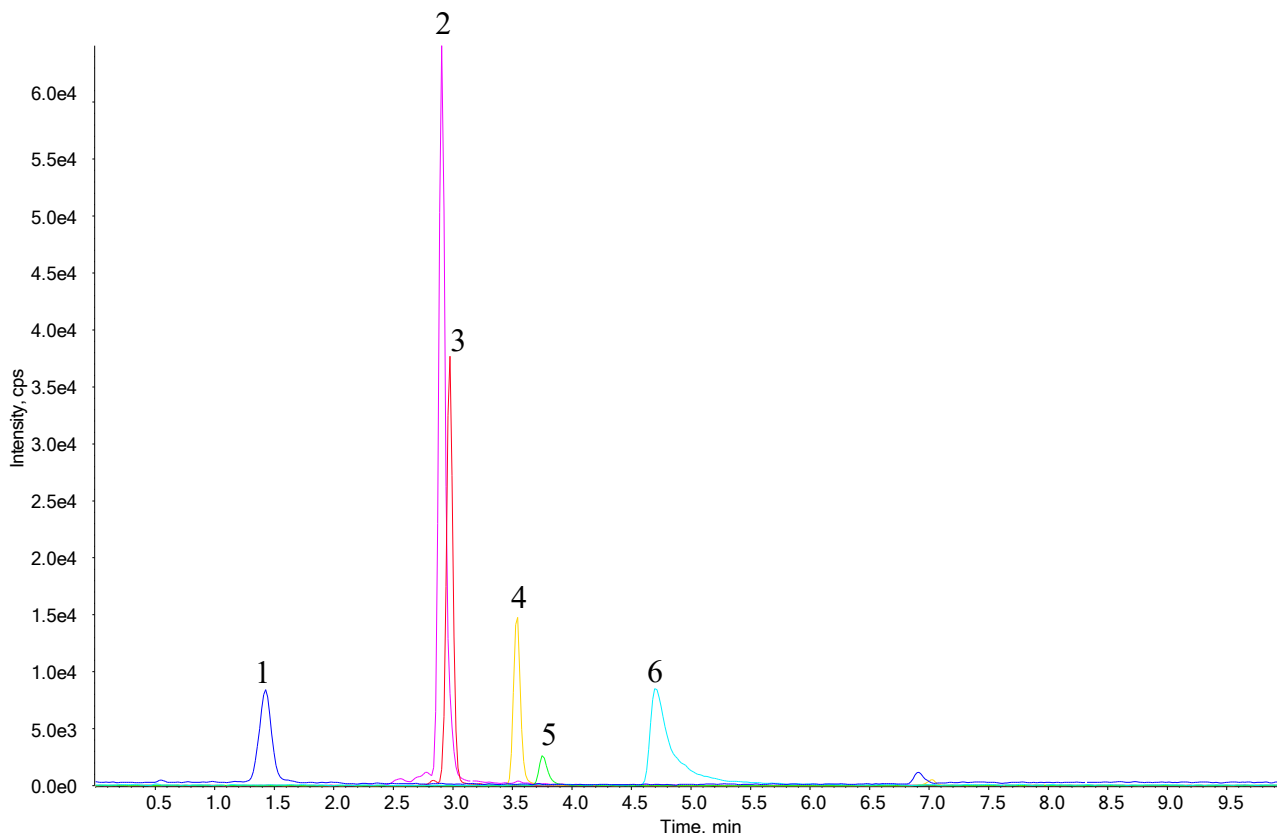


Analysis of Aminoglycosides



Conditions

System : ExionLC System (SCIEX)
Triple Quad 4500 system (SCIEX)

Column : Inertsil Hybrid-Z HILIC (GL Sciences Inc.)
(3.5 μ m, 100 x 2.1 mm I.D., Metal-free hardware)

Column Cat. No. : 5020-76209

Eluent : A) CH₃CN
B) 100 mM HCOONH₄ in H₂O (pH 3.0, HCOOH)

Time (min)	A(vol%)	B(vol%)
0	70	30
0.5	70	30
4.00	20	80
6.00	20	80
6.01	70	30
10.0	70	30

Analyte:

1. Spectinomycin 0.1 mg/L
(Q1/Q3 = 351/333)

2. Dihydrostreptomycin 0.2 mg/L
(Q1/Q3 = 584/263)

3. Streptomycin 10 mg/L
(Q1/Q3 = 582/221)

4. Amikacin 5 mg/L
(Q1/Q3 = 586/425)

5. Kanamycin 0.2 mg/L
(Q1/Q3 = 485/163)

6. Neomycin 10 mg/L
(Q1/Q3 = 615/161)

Flow Rate : 0.4 mL/min

Col. Temp. : 70 °C

Detection : MS/MS (ESI, Positive)

Injection Vol. : 2 μ L

Sample : Standard in CH₃CN / H₂O = 60 / 40, v/v