

Eluent to be Used for IC YS-50 column

Acid selection depends on the sample type, instrument, and analysis conditions. Cation standards analyzed using IC YS-50 with 4 mM methanesulfonic acid, sulfuric acid, nitric acid, and phosphoric acid as the eluent are shown.

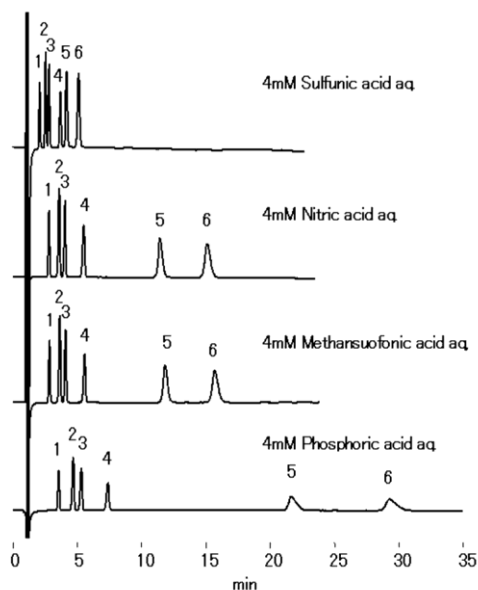
Chromatographic Conditions:

Column: Shodex IC YS-50 (4.6mm I.D. x 125mm)

Flow rate: 1.0mL/min

Detector: Non-suppressed conductivity

Column temp.: 40°C



Eluent	Conductivity (μS/cm)
4mM Sulfuric acid aq.	2906
4mM Nitric acid aq.	1926
4mM Methanesulfonic acid aq.	1733
4mM Phosphoric acid aq.	1237

Sample : 10μL

1. Li⁺ 2mg/L
2. Na⁺ 10mg/L
3. NH₄⁺ 10mg/L
4. K⁺ 20mg/L
5. Mg²⁺ 10mg/L
6. Ca²⁺ 20mg/L