

IC Application Note No. S-91

Title: Gluconate, fluoride, formate, chloride, nitrate and salicylate

Summary: Determination of gluconate, fluoride, formate, chloride, nitrate and salicylate using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard solution

Sample Preparation:

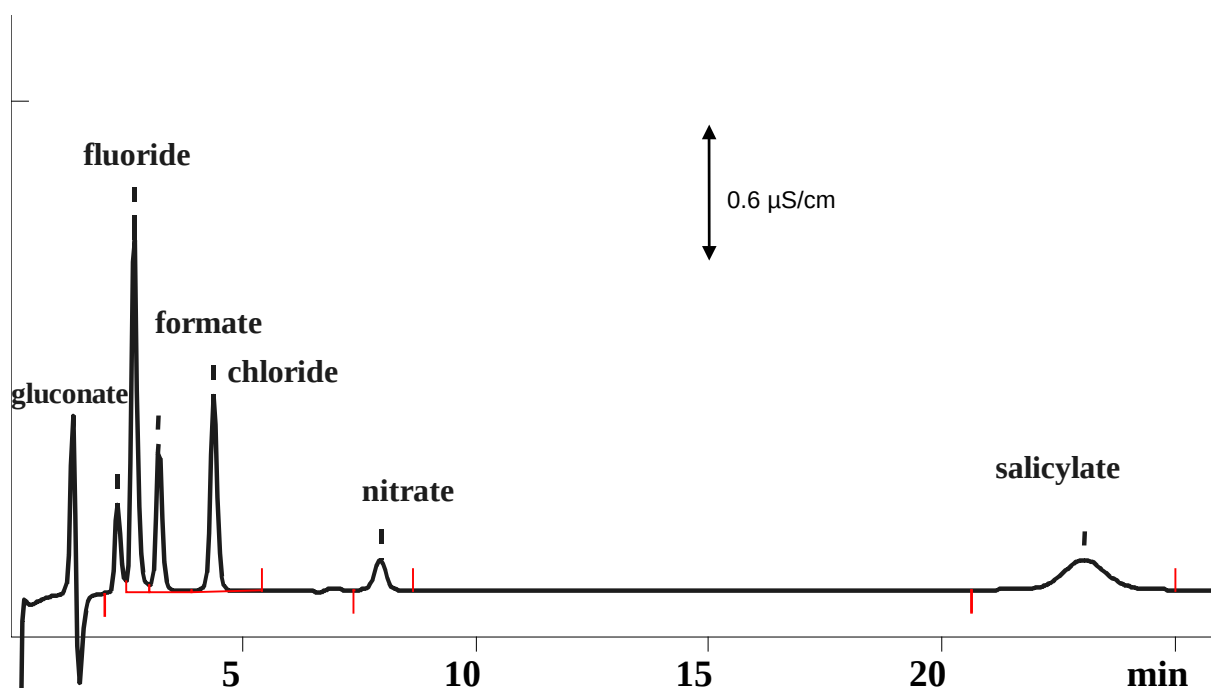
Column: 6.1006.100 Metrosep Anion Dual 2

Eluent: 2.0 mmol/L sodium hydrogencarbonate,
1.3 mmol/L sodium carbonate, 20% acetone

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)

Flow: 0.8 mL/min

Injection Volume: 20 µL



Results:	Gluconate mg/L	Fluoride mg/L	Formate mg/L	Chloride mg/L	Nitrate mg/L	Salicylate mg/L
	7.0	2.0	2.0	2.0	1.0	10