

IC Application Note No. S-127

Title: Five anions in human urine

Summary: Determination of chloride, nitrate, phosphate, sulfate and oxalate in human urine using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.

Sample: Human urine

Sample Preparation: Diluted 1: 50 with ultrapure water

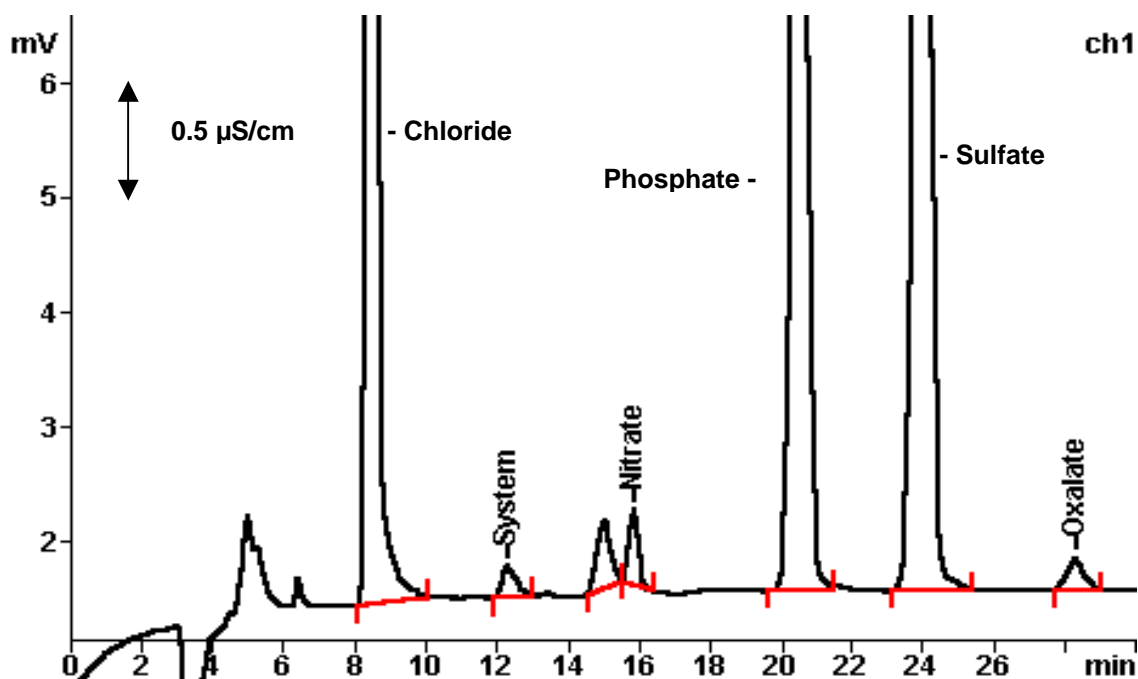
Column: 6.1006.530 Metrosep A SUPP 5-250

Eluent: 1.0 mmol/L sodium hydrogencarbonate,
3.2 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL after dialysis



Results:	Chloride mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L	Oxalate mg/L
	741.04	8.83	504.27	238.49	9.01