

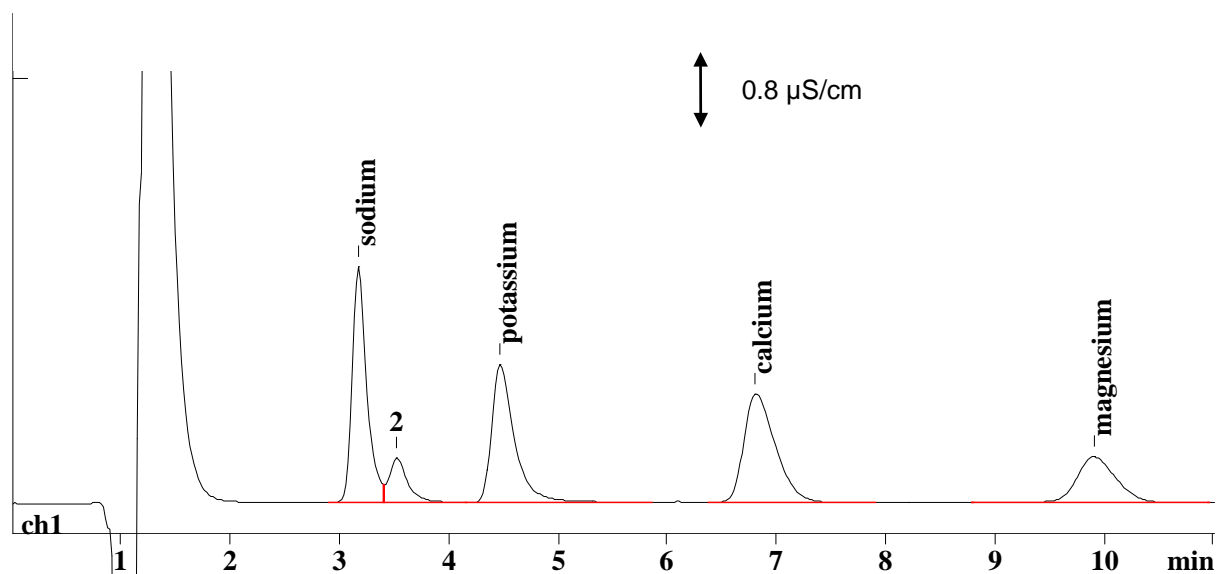
IC Application Note No. C-22

Title: Sodium, potassium, calcium and magnesium in drip feeding formula using Dialysis as Sample Preparation

Summary: Determination of sodium, potassium, calcium and magnesium in drip feeding formula using cation chromatography with direct conductivity detection and dialysis as sample preparation.

Sample: Drip feeding formula
Sample Preparation: 1 g/100 mL of 1 mmol/L HNO₃, injection using 754 Dialysis Unit (acceptor solution: 1 mmol/L HNO₃)

Column: 6.1010.000 Metrosep Cation 1-2
Eluent: 4 mmol/L tartaric acid, 1 mmol/L dipicolinic acid
Flow: 1.0 mL/min
Injection Volume: 20 µL after dialysis



Results:	Na ⁺	K ⁺	Ca ²⁺	Mg ²⁺
	µg/L	µg/L	µg/L	µg/L
	682	1288	762	192

Peak No. 2: Ammonium, not quantified