

IC Application Note No. C-71

Title: Choline in a saline solution

Summary: Determination of sodium, potassium, DMEA (dimethylethanolamine), calcium, choline and magnesium in a saline solution using cation chromatography with direct conductivity detection.

Sample: Saline solution (0.09 % NaCl)

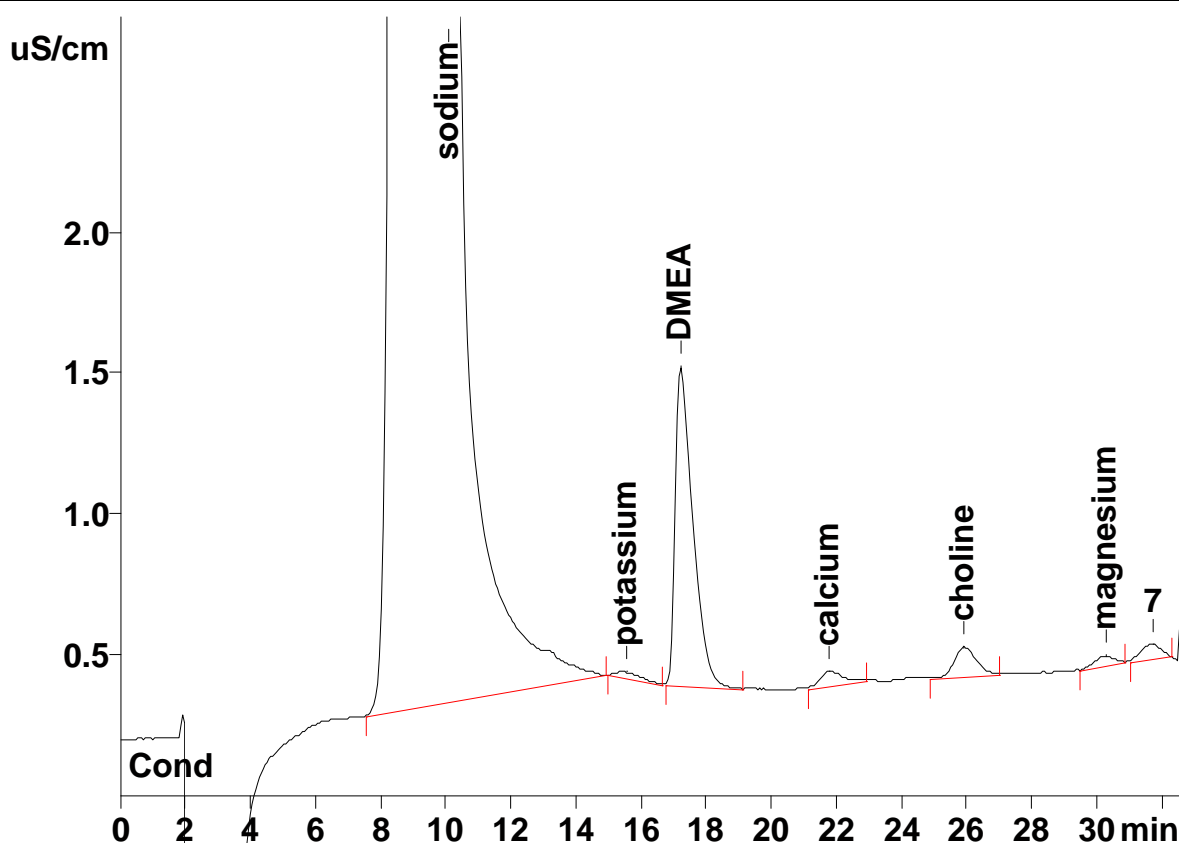
Sample Preparation: Direct injection after filtration

Column: 6.1010.230 Metrosep C 2 – 250

Eluent: 4.0 mmol/L tartaric acid, 0.75 mmol/L dipicolinic acid, 10% acetone

Flow: 1.0 mL/min

Injection Volume: 100 μ L



Results:	Sodium %	Potassium mg/L	DMEA mg/L	Calcium mg/L	Choline mg/L	Magnesium mg/L
	0.9	0.034	n.q.	0.031	0.273	0.009