

# IC Application Note No. C-70

**Title:** Cations and biogenic amines in wine

**Summary:** Determination of sodium, potassium, calcium, magnesium, putrescine, cadaverine and histamine in a wine sample using cation chromatography with direct conductivity detection.

**Sample:** Wine

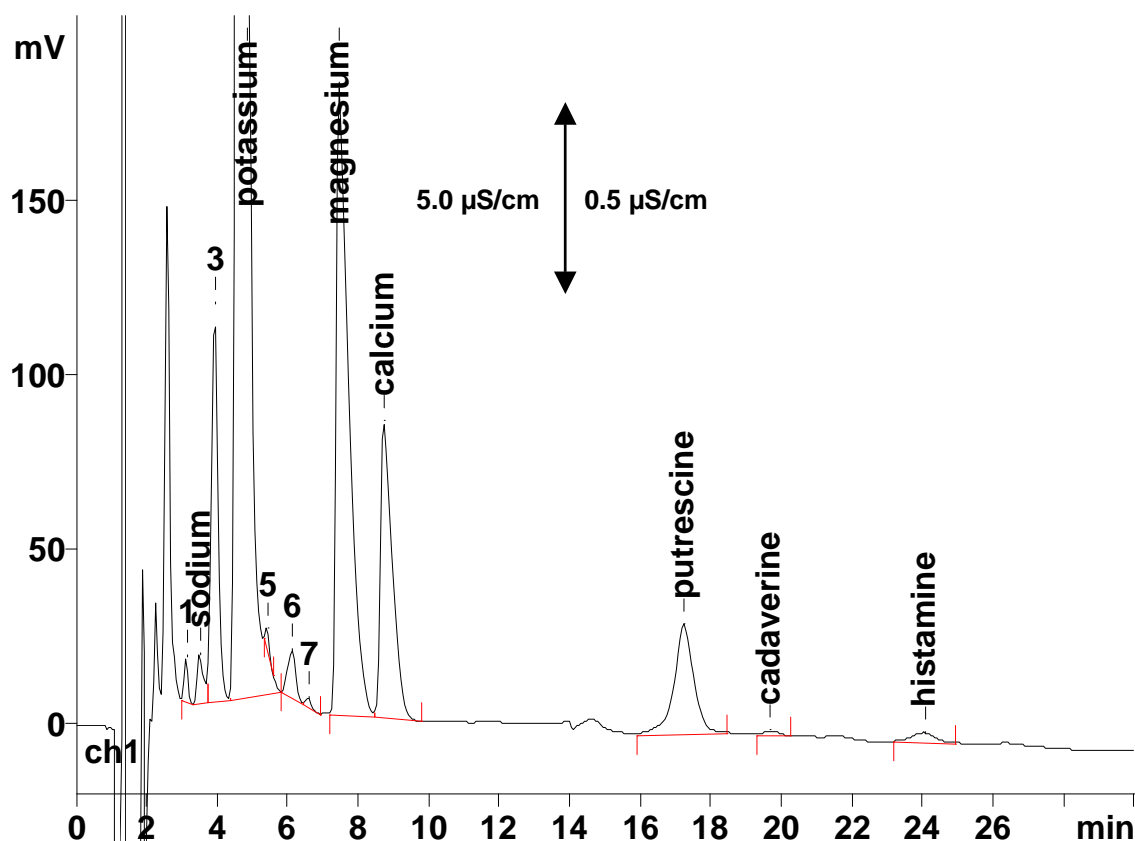
**Sample Preparation:** Dilution 1 : 5 with 2 mmol/L nitric acid

**Column:** 6.1010.100 Metrosep C 1

**Eluent:** 2.5 mmol/L nitric acid, 10% acetone

**Flow:** 1.0 mL/min

**Injection Volume:** 20  $\mu$ L



<b>Results:</b>	Sodium mg/L	Potassium mg/L	Calcium mg/L	Magnesium mg/L	Putrescine mg/L	Cadaverine mg/L	Histamine mg/L
	6.7	1153	75	102	11.5	0.36	2.3