

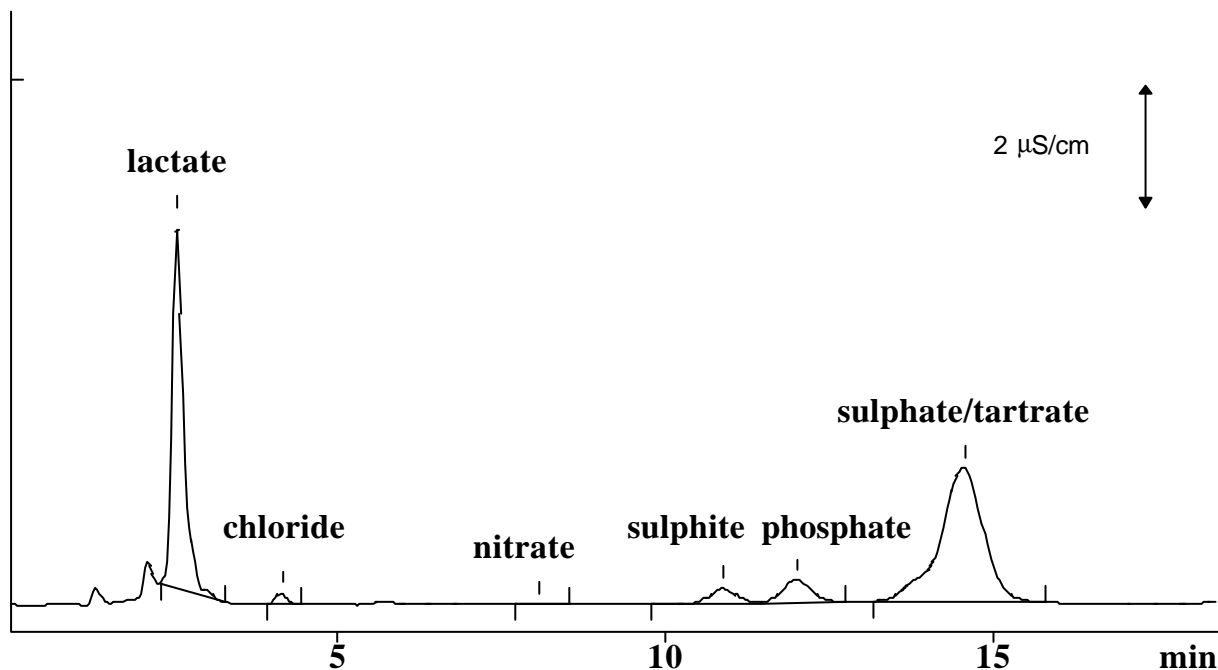
IC Application Note No. S-12

Title: Determination of Lactate, Chloride, Nitrate, Sulphite and Phosphate in wine

Summary: Determination of lactate, chloride, nitrate, sulphite and phosphate in wine using anion chromatography with conductivity detection after chemical suppression.

Sample: Swiss white wine „Fendant“
Sample Preparation: Dilution 1:50 with 0.2 mM NaOH containing formaldehyde for stabilisation of sulphite

Column: 6.1006.100 Metrosep Anion Dual 2
Eluent: 2 mmol/L sodium bicarbonate, 1.8 mmol/L sodium carbonate, 15 % acetone
Suppressor: Metrohm Suppressor Module (MSM, 20 mmol/L H₂SO₄)
Flow: 0.8 mL/min
Injection Volume: 20 µL



Results:	lactate mg/L	chloride mg/L	nitrate mg/L	sulphite mg/L	phosphate mg/L
	2159	14.7	3.1	162.7	284.4

