

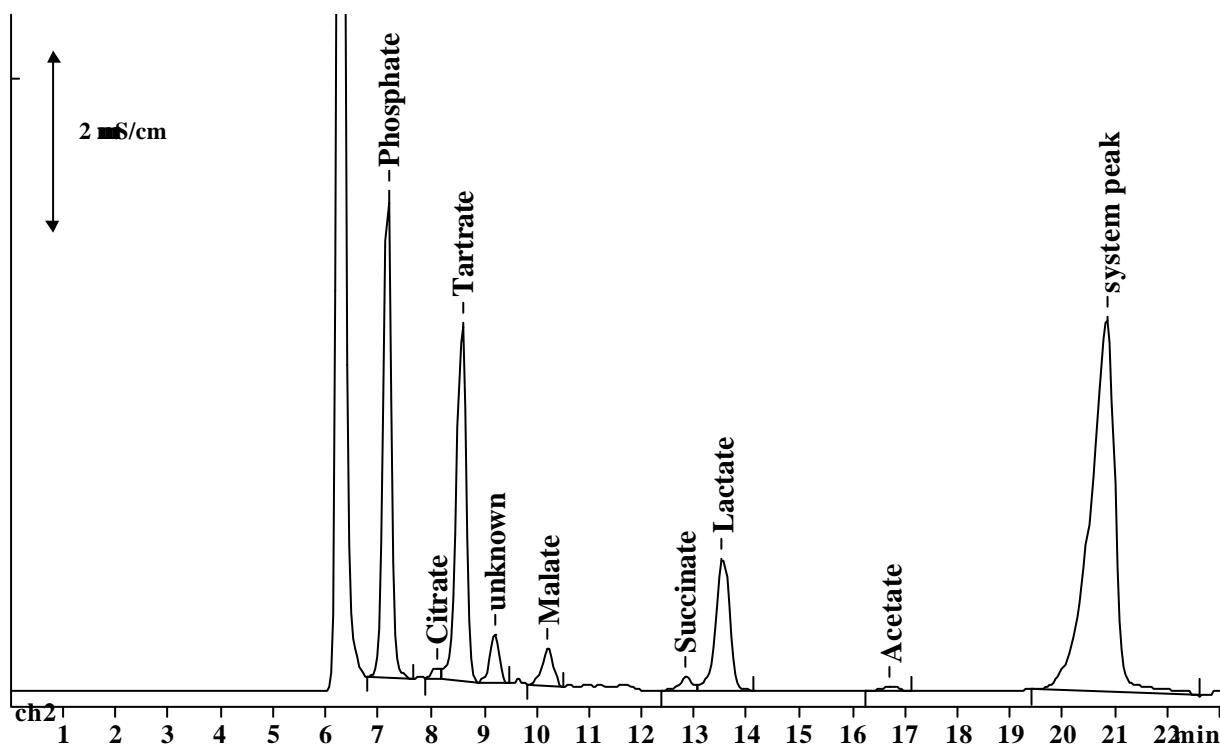
IC Application Note No. O-6

Title: Determination of organic acids and phosphate in wine

Summary: Determination of citrate, tartrate, malate, succinate, lactate, acetate and phosphate in red wine using ion exclusion chromatography with direct conductivity detection.

Sample: Red wine
Sample Preparation: Dilution 1:50 (with 0.5 mmol/L H₂SO₄)

Column: Hypersil Carbohydrate H⁺
Eluent: 0.5 mmol/L H₂SO₄; 10 % acetone
Flow: 0.5 mL/min
Injection Volume: 20 µL



Results:	Phosphate mg/L	Citrate mg/L	Tartrate mg/L	Malate mg/L	Succinate mg/L	Lactate mg/L	Acetate mg/L
	490	54	1472	324	735	2622	598