

IC Application Note No. S-112

Title: Five organic acids using chemical suppression after ion exclusion separation

Summary: Determination of citrate, malate, succinate, lactate and acetate using ion exclusion chromatography with conductivity detection after chemical suppression.

Sample: Fruit juice

Sample Preparation: Dilution 1 : 5

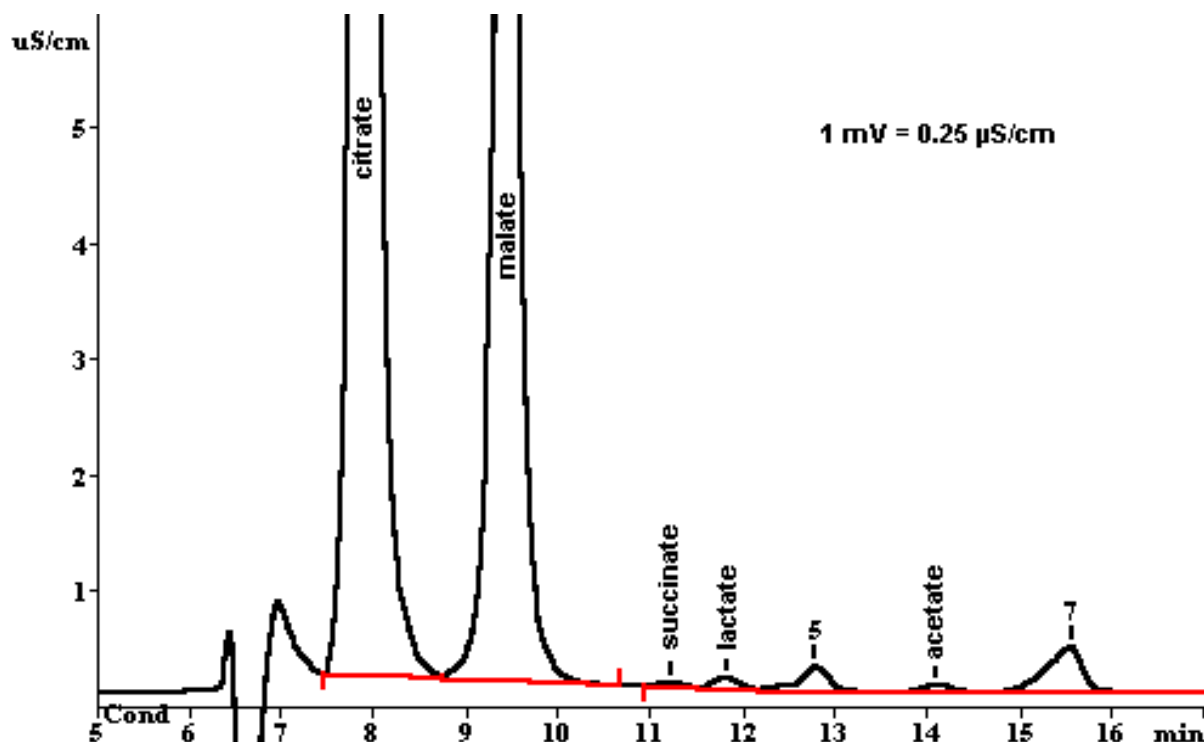
Column: 6.1005.200 Metrosep Organic acids

Eluent: 0.5 mmol/L heptafluorobutyric acid, 15% acetone

Suppressor: MSM (MSM, 10 mmol/L tetrabutylammonium iodide)

Flow: 0.5 mL/min

Injection Volume: 20 μ L



Results:	Citrate mg/L	Malate mg/L	Succinate mg/L	Lacate mg/L	Acetate mg/L
injected	6303	3643	5.35	62.5	32.7