

IC Application Note No. O-32

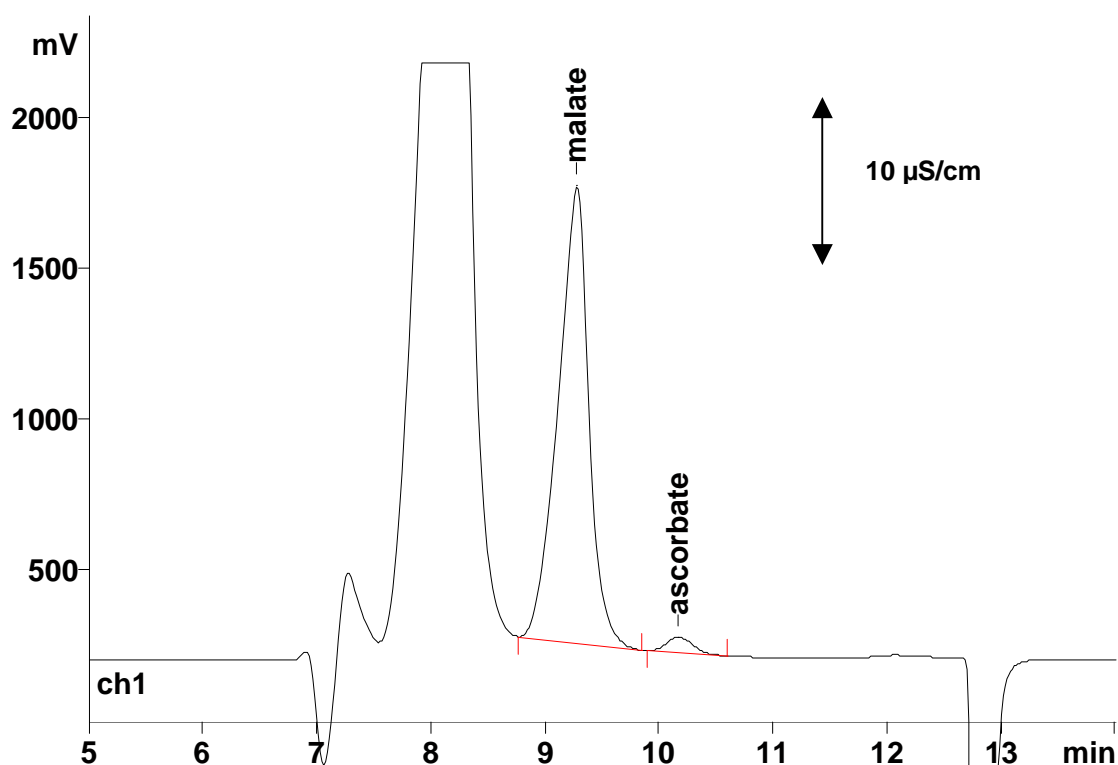
Title: Malate and ascorbate in fruit juice

Summary: Determination of malate and ascorbate in orange juice using ion exclusion chromatography with suppressed conductivity detection and inline dialysis as sample preparation.

Sample: Fruit juice (orange)

Sample Preparation: Dilution 1 : 10 with ultrapure water prior to inline dialysis

Column: 6.1005.200 Metrosep Organic Acids
Eluent: 0.5 mmol/L perchloric acid
Flow: 0.5 mL/min
Suppressor: MSM (50 mmol/L lithium chloride)
Injection Volume: 20 μ L



Results:	Malate mg/L	Ascorbate mg/L
	1771	253.2

For citrate and isocitrate in the same sample see AN S-189.