

# IC Application Note No. O-26

**Title:** L-Lactide, citrate and lactate in acetone solution

**Summary:** Determination of L-lactide, citrate and lactate in an acetone solution using ion exclusion chromatography with direct conductivity detection.

**Sample:** L-Lactide in acetone

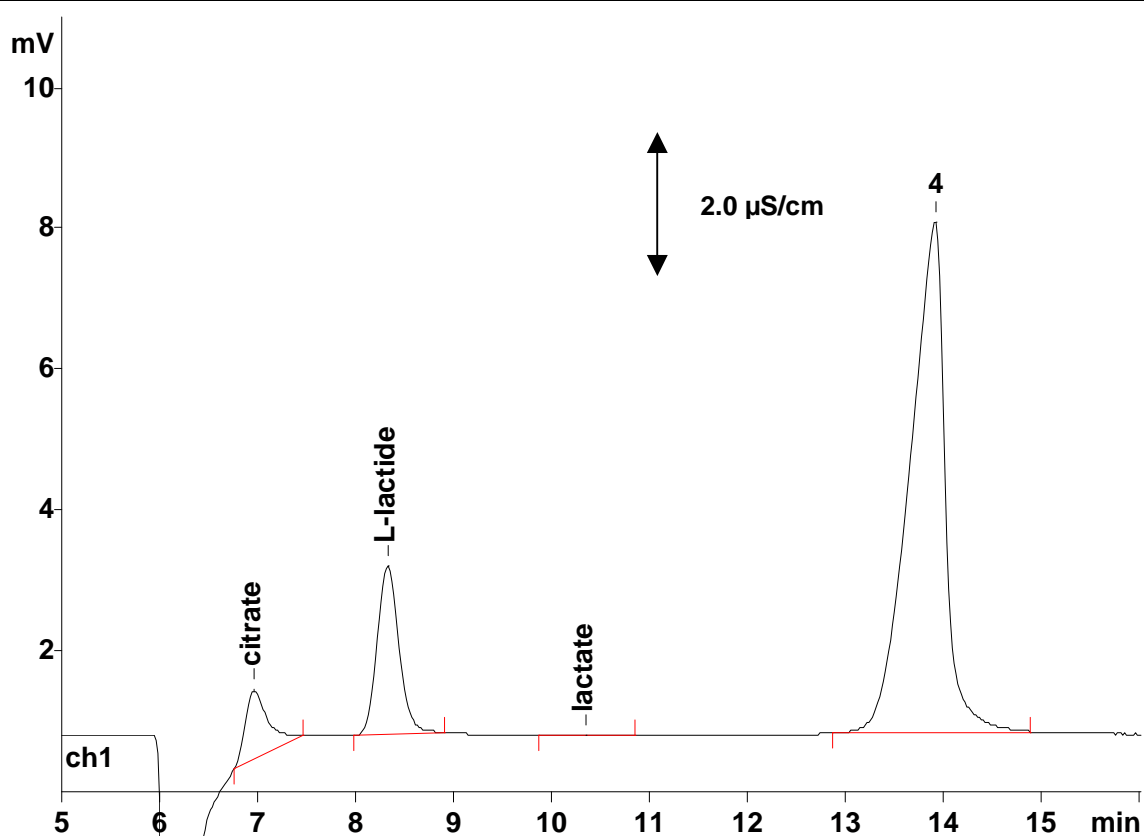
**Sample Preparation:** 0.1 g sample is dissolved in 100 mL acetone, further dilution 1 : 1000 with ultrapure water

**Column:** 6.1005.200 Metrosep Organic Acids

**Eluent:** 1.0 mmol/L perchloric acid, 20 % acetone

**Flow:** 0.5 mL/min

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



<b>Results:</b>	Citrate %	L-Lactide %	Lactate
	1.8	4.21	< 0.1

Peak 4: Systempeak