

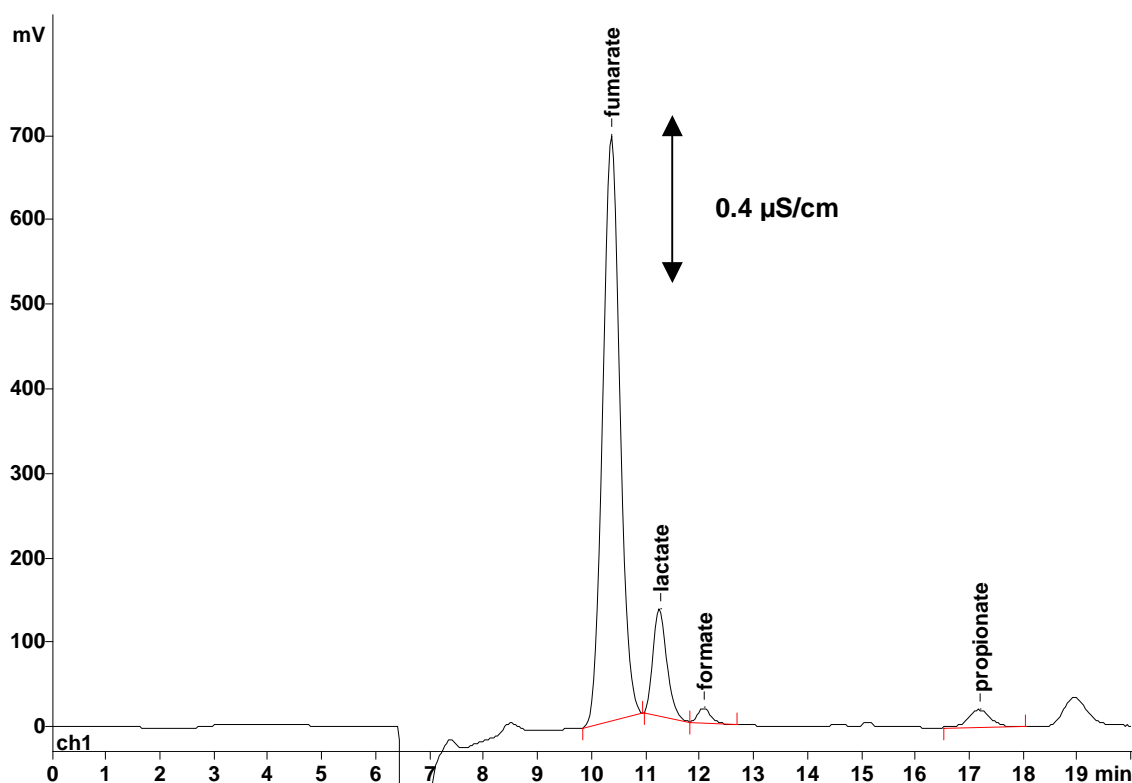
IC Application Note No. O-29

Title: Organic acids in animal foodstuffs

Summary: Determination of fumarate, lactate, formate and propionate in animal food using ion exclusion chromatography with suppressed conductivity detection.

Sample: Animal food
Sample Preparation: 0.1 g sample dissolved in ultrapure water, filtration (0.45 μm) and subsequent dilution 1:10

Column: 6.1005.200 Metrosep Organic Acids
Eluent: 0.5 mmol/L sulfuric acid
Flow: 0.5 mL/min
Suppressor: MSM (100 mmol/L lithium chloride)
Injection Volume: 20 μL



Results:	Fumarate g/kg	Lactate g/kg	Formate g/kg	Propionate g/kg
	464.4	146.3	8.978	7.672