

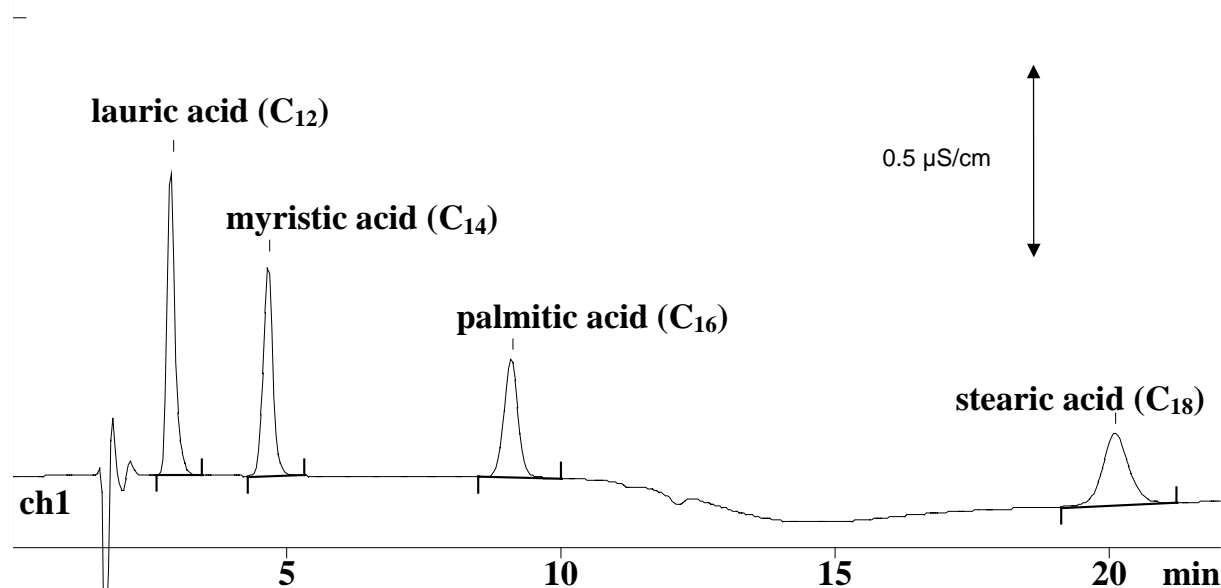
# IC Application Note No. O-1

**Title:** Fatty acids (C<sub>12</sub> - C<sub>18</sub>) with ion pairing chromatography

**Summary:** Determination of lauric acid, myristic acid, palmitic acid and stearic acid using ion pairing chromatography with direct conductivity detection.

**Sample:** Standard solutions  
**Sample Preparation:** Cation exchange for real samples

**Column:** Spherisorb ODS II (250 x 4.0 mm)  
**Eluent:** 5 mmol/L tetrabutylammonium hydroxide, 25 % methanol, pH = 7.5 (phosphoric acid)  
**Flow:** 0.8 mL/min  
**Injection Volume:** 100 µL



<b>Results:</b>	lauric acid mg/L	myristic acid mg/L	palmitic acid mg/L	stearic acid mg/L
	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>