

Practical Liquid Chromatography

Agilent Chemical Analysis Training Courses

H5930A

One Day Lecture Only

Description

Introduces the basics of liquid chromatography. Covers instrumentation, operating parameters and practical tips to get started in the exciting new field of high performance liquid chromatography.

Course Outline

- Introduction to LC
- The Separation Process (including resolution, selectivity, capacity factor, efficiency, and gradient elution)
- Practical Aspects of Performing Analyses (including mobile phase preparation, column care, priming and equilibration, and sample preparation)
- LC Instrumentation (including tubing and fittings, pumping systems, injection systems, and detectors)
- LC Troubleshooting (including retention time and area precision, pressure problems, baseline fluctuations, and peak shape problems)

Prerequisites

None.

Student Profile

Anyone interested in learning about liquid chromatography.

Equipment Used during Training

- Agilent 1100 Series liquid chromatograph
- Agilent ChemStation for LC

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