



## 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

Copyright © 2000  
Agilent Technologies, Inc.  
ALL RIGHTS RESERVED

6/00  
5980-1699E



**Agilent Technologies**

Innovating the HP Way