



## Practical Liquid Chromatograph Troubleshooting and Maintenance

Agilent Life Sciences and Chemical Analysis Training Courses

### H4058A

One Day  
Lecture Only

#### Description

Introduces the operator of an Agilent 1100 Series liquid chromatograph to routine maintenance of the entire system for maximum reliability and productivity.

The course covers isocratic, binary, and quaternary pumping systems as well as the vacuum degasser, autoinjector, variable wavelength detector, and diode array detector.

If requested the optional Agilent 1100 preparative and capillary HPLC systems modules can be included into this course.

#### Course Outline

- Agilent 1100 Series LC Overview
- Status and Logbooks
- Solvents and Fittings
- Agilent 1100 LC Pumps and Vacuum Degasser (including overview, maintenance, and error messages)
- Agilent 1100 Autosampler (including overview, special functions, maintenance, test functions, and error messages)
- Agilent 1100 Column Compartment (including performance verification, overview, electronics, and error messages)
- Agilent 1100 Variable Wavelength Detector (including overview, maintenance, and error messages)
- Agilent 1100 Diode Array Detector (including overview, maintenance, and error messages)
- Agilent 1100 Series Diagnostics (including Agilent ChemStation diagnostics, control module, and early maintenance feedback)
- Practical Laboratory Techniques
- Agilent 1100 Capillary or Preparative System maintenance (optional lecture)

#### Prerequisites

The students should be familiar with the operation of the Agilent 1100 HPLC.

#### Student Profile

Anyone interested in gaining a better understanding of the function and maintenance of Agilent 1100 Series liquid chromatograph modules.

#### Equipment Used during Training

- Agilent 1100 Series liquid chromatograph equipped with a quaternary pump, autosampler, column compartment, and variable wavelength detector or diode array detector.
- Controller
- Agilent ChemStation for LC
- Pump heads
- Flow cells

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