

# An Introduction to HPLC (1 day)

## Who should take this course?

This one-day course introduces scientists to the basic concepts and operational principles of High Performance Liquid Chromatography, with an emphasis on reversed-phase HPLC. 'An Introduction to HPLC' is the course for you if you are new to HPLC, or if you currently use HPLC as a regular part of your job and want a better understanding of the fundamental principles behind it. No previous HPLC training is assumed.

## What does it cover?

'An Introduction to HPLC' explains in practical, easy to understand terms:

- The basic principles of HPLC
- Different modes of HPLC
- Nature of HPLC columns
- Mobile phase solvents and their characteristics
- Gradient elution
- Types of HPLC detectors
- Basic troubleshooting

## What will I get from this course?

This course will enable you to acquire a good understanding of the fundamental principles of HPLC and learn ways in which you can make your chromatography easier and more efficient. If you've never taken a formal course or if you need a refresher, this is an ideal course.

## Course Outline

Definition of chromatography  
Basic principles of chromatographic separations  
Different modes of HPLC  
Materials used for HPLC columns  
Reversed-phase HPLC  
Mobile phases  
Gradient elution  
Different detection principles  
Basic troubleshooting

**Available as an in-house or off-site course. Contact us for details**



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