

# HPLC Method Development (1 day)

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**An in-depth one day course on how to develop better methods for high performance liquid chromatography**

## **Who should take this course?**

This course is for scientists involved in HPLC method development, as well as those involved in the transfer of existing methods between laboratories. The course content assumes that delegates will have a basic understanding of HPLC, but not necessarily experience in method development. This course guides the delegate through each step of a process that leads to achieving good HPLC methods.

## **What does it cover?**

This course focuses on the fundamentals of chromatographic separation and applies them in a time proven strategy for developing robust HPLC methods quickly. Topics include:

- What makes a good HPLC method
- How to avoid the common pitfalls of method development
- How to make the most of your time
- Where do you start
- What is the best strategy for moving peaks around
- When is a method “done”

## **What will I get from this course?**

Based on the instructor's extensive experience in the laboratory supporting pharmaceutical and bioanalytical method development, those attending this course will gain the practical skills needed to develop better HPLC methods in a shorter time. The important principles of resolution will be explored in order to provide a solid platform from which delegates will be able to implement a systematic, efficient approach to developing rugged, robust reversed-phase HPLC methods. The techniques can be used as a stand-alone method development strategy or added to existing procedures to help streamline method development processes.

## **Course Outline**

Introduction to HPLC method development  
HPLC columns  
Reversed-phase separation  
Gradient elution

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

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