

TRAINING COURSE

How to Run HPLC Methods

Learn how to set up and run HPLC analysis with full understanding of all the method parameters such as the column, the mobile phase, the instrumentation, and sample preparation, and how to interpret and quantify the results of the analysis. This one day training course is ideal for those who are new to HPLC.

The course is delivered using a combination of presentations and group exercises in which extensive use of case studies provides real life experience, it will enable you to implement HPLC analytical methods by transferring the parameters from the method to your HPLC system. In addition you will be able to:

- Understand what is meant by all the parameters in an HPLC analytical method.
- Follow an HPLC analytical method to set up an HPLC system for analysis.
- Run an HPLC analytical method and acquire chromatographic results.
- Interpret chromatograms obtained from HPLC analysis.
- Calculate analytical results for HPLC analysis.

This course is available in two options: You can attend one of our open enrolment training courses at an external location (dates of upcoming events are available on the MTS website); or we can deliver the course at your site. On-site training allows customisation to meet your specific requirements. This may include 'hands-on' sessions using the HPLC instruments in your labs.

Comprehensive course handout, access to training resources via e-MTS, certificate of training and post training support are all included in the course fees.

Course Outline

- HPLC method parameters:
 - Columns and stationary phase
 - Mobile phase
 - Instrumentation
 - Preparation of test solutions
 - Directions for analysis
- Setting up HPLC systems for analysis
- Interpreting results from HPLC analysis:
 - Integration
 - System suitability
 - Quantification techniques