

**LC Turbo Method Development Training****L020-0522****1 Day****Tuition****£385**

The course will enable users to gain maximum benefit from LC Turbo Method Development software, and enable delegates to gain experience in designing and running chromatographic solvent surveys for method development and method robustness testing.

**Prerequisites**

Attendees should have at least one month of experience using a Turbo LC Plus system, as well as a working knowledge of liquid chromatography, TotalChrom software and Windows.

**Lectures and Labs**

- Solvent Selectivity
- Eluotropic Ratios
- Designing a Solvent Survey and Running it
- Peak Tracking
- Chromatogram Simulation

**Related Courses**

Any of the TotalChrom two-day courses would provide valuable extra information in getting the best out of TotalChrom data handling.

The course duration is one day, starting at 9:30 and ending at 16:30.

**LC TurboScan Training****L020-0524****1 Day****Tuition****£385**

The course enables users to gain maximum benefit from LC TurboScan software, allowing them to make full use of its capabilities to generate optimum data coupled with valid results interpretation.

**Prerequisites**

The attendee should have at least one month of experience with a Turbo LC Plus system, and a working knowledge of liquid chromatography, TurboScan software and, preferably, TotalChrom software.

**Lectures and Labs**

- Diode array detection
- Design, operation, uses, benefits and limitations
- Peak purity
- Assessment, uses and limitations

**Related Courses**

Any of the TotalChrom two-day courses would provide valuable extra information in getting the best out of TotalChrom data handling.

The course duration is one day, starting at 9:30 and closing at 16:30.

**Series 200 LC Familiarization, Troubleshooting and Routine****L020-0526****1 Day****Tuition £385**

The course enables users of PerkinElmer HPLC systems to minimize downtime through best operating practices, as well as the ability to diagnose common faults and to carry out routine maintenance on their system. The course also covers first-line maintenance on PE HPLC systems and modules, and assists in identifying whether a service call is needed. Please note that the course is not a substitute for preventive maintenance, overhauls, and instrument calibration operations, as carried out by the service department.

**Prerequisites**

As this is a familiarization course, there are no minimum entry requirements. However, it is useful if attendees have had some hands-on experience with an HPLC system before attending the course. Please note that the course is specific to PerkinElmer HPLC equipment and software.

**Lectures and Labs**

- General LC setup, plumbing, chromatographic troubleshooting
- Good operating practice
- Routine maintenance
- Autosamplers (ISS-Series and Series 200 Autosamplers)
  - Getting the best out of the Autosampler
  - Troubleshooting
  - Simple maintenance

The course duration is one day, starting at 9:30 and ending at 16:30.

**TotalChrom Control of Series 200 LC****L020-0527****1 Day****Tuition****£385**

The course enables users of the PerkinElmer Series 200 HPLC systems to gain maximum benefit from TotalChrom control of Series 200 LC instrumentation. Attendees can maximize system productivity and minimize system downtime through a detailed understanding of the system, including method and sequence generation, hands-on control, and shutdown procedures. This applies to both routine use and method development use.

**Prerequisites**

Attendees should have at least one week of experience with a Turbo LC Plus system, as well as a working knowledge of liquid chromatography, TotalChrom software and Windows.

**Lectures and Labs**

- System configurations and connections
- Method generation
- Pump control
- Auto sampler control
- Diode array detector control
- Other detectors
- Flush/shutdown methods

**Related Courses**

The TotalChrom two-day course provides valuable extra information in getting the best out of TotalChrom data handling.

The courses duration is one day, starting at 9:30 and ending at 16:30.