

Basic Essentials of LC & LC-MS, Method Development & Troubleshooting LC & LC-MS Training Course

>Package Course

Take advantage of this reduced rate 5-day instrument-independent package training course which provides the key essential approaches in performing both LC (emphasis on chromatography) and LC-MS (emphasis on mass spectrometer detection), method development and troubleshooting, and how to avoid the pitfalls.

>Who is the 5-day Basic Essentials of LC & LC-MS, Method Development & Troubleshooting LC & LC-MS Training Course for?

>Complete beginners/early users to LC & LC-MS

>Analysts with a few years experience in LC and/or LC-MS analysis looking for a formal course >Analysts looking for a refresher LC & LC-MS course

>Analysts looking for a complete LC & LC-MS plus method development and troubleshooting course

>Who attends?

Academic based lab technicians, commercial lab analysts and R&D staff, post-doc, PhD and MSc students, lab managers/supervisors and service engineers from across Europe, Middle East, Asia and Africa.

>What's different about training with us?

Because we teach the practical application of techniques, our courses are well positioned to enable analysts to use different analytical instrument models. Since most laboratories have instruments from different manufacturers, this is a key benefit in attending our courses. Just like driving a car, analysts are able to quickly navigate their own way around their specific instruments through the application of techniques.

>Overview of course modules and topics

Day 1 & Day 2 :

- Separation Mechanisms
- Fundamental principles in liquid chromatography
- Columns
- Injectors
- Detectors
- Quantification (external and internal standard)

Day 3 & Day 4 :

- Short Introduction to LC
- Principles of mass spectroscopy
- Ionisation techniques
- Liquid chromatography Mass Spectroscopy interface
- Detectors in mass spectroscopy



- Scan modes
- (MS)ⁿ and Chemical Ionisation (CI)
- Chemical Ionisation (positive and negative)
- Problem solving strategies
- Selecting sample injection techniques
- Selecting LC consumables
- MS maintenance

Day 5

- Global view of a method
- Sample introduction
- Sample focussing
- Column selection
- Detector selection
- Chromatographic method and temperature
- Experimental parameter optimisation
- Quality control and quantitative evaluation of a method

>Request a full course program or **book a course** for any courses or course modules from Caroline Green at <u>cgreen@amoebasciences.eu</u>

>Key details

- Classroom based course
- Budget airline destinations
- Comfortable training facilities
- Certificate of attendance provided
- Training manual provided (English)
- Discounted hotel accommodation available
- Easy accessible venue with local transportation
- Courses presented in English by industry-served and PhD qualified experts

>Visit our new website: www.chromatographytraining.org

For a list of frequently asked question, how to prepare to put forward a case for training, how best to prepare to attend a course and what you can expect to gain a course at your level.

>Price Includes:

Training presentation, training manual, lunches, free resources and all refreshments and snacks.



>Course Fees / Advanced Booking Rates

Prices are exclusive of any applicable VAT and local taxes	If booked up to 20 weeks in advance	If booked up to 12 weeks in advance	If booked up to 8 weeks in advance	If booked up to 4 weeks in advance	If booked less than 4 weeks in advance
Basic Essentials of LC & LC-MS, Method Development & Troubleshooting LC & LC-MS	£1595	£1695	£1795	£1895	£1995

>Multiple Delegate Bookings

5% discount applicable per each additional analyst from the same institution (includes separate departments), if booked at the same time, per course.

Terms and conditions apply to all our courses (see www.chromatographytraining.org)