Syllabus for 2 day introduction to QTRAP at SCIEX

SCIEX training courses follow the proven spaced learning approach to maximize learning retention. The training process includes a blend of instructor-led training, hands-on laboratory exercises and self-paced eLearning provided at a SCIEX location.

Course goals and outcome

This course is designed to provide beginner to intermediate users with the knowledge necessary to successfully use their QTRAP system for qualitative and quantitative analysis. It is intended for those who have completed a Success Program and have at least one year of operational experience with SCIEX LC-MS systems.

The course is focused on small molecule applications and is divided between classroom-based lectures providing LC-MS/MS theory and hands-on laboratory exercises designed to reinforce lecture fundamentals. Emphasis is placed on QTRAP scan functions, Scheduled MRM acquisition and Information-Dependent Acquisition (IDA) method development. It is delivered at a SCIEX location by an experienced SCIEX instructor.

Upon completion of the course, you should have a clear understanding of LC-MS/MS and linear ion trap (LIT) theory as it relates to operating your QTRAP in an Information Dependent Acquisition (IDA) manner for compound identification, and you will be capable of transferring the principles and practices learned throughout the course and apply them to your specific workflows.

This course offers a workflow certificate upon completion of a final knowledge assessment.

Training program overview

Your training includes the following:

- 2 days of instructor-led and hands-on training provided at a SCIEX location by an experienced instructor
- Related self-paced eLearning courses, lectures, reference material and lab exercises
- Access to SCIEX Now Learning Hub database of >100 eLearning courses
- Access to SCIEX Now online support tools
- Workflow certificate upon successful completion of final exam and permanent access to all course materials for reference

- P.A.C.E.® Continuing Education Credits

Instructor-led training topics

- Linear Ion Trap (LIT) theory
  - LIT scans and parameters
- Instrument tuning and calibration
  - LIT calibration
- Method creation and acquisition
  - Scheduled MRM acquisition
  - Information Dependent Acquisition (IDA) workflows
  - MS3 and MRM3 workflows
- Library searching using SCIEX OS

P.A.C.E.® certification

SCIEX is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Learners interested in obtaining a P.A.C.E.® certificate and P.A.C.E.® accreditation for taking this course (equal to 12 P.A.C.E.® credits) must attend the entire training session and complete a brief evaluation survey.

SCIEX

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