Syllabus for 3 day introduction to Triple Quad 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 an introductory mass spectrometry class designed for new users who are working on small molecule quantitation through MRM or Scheduled MRM acquisition using all SCIEX triple quadrupole systems. It provides a variety of lectures and hands-on exercises, and is delivered at a SCIEX location by an experienced SCIEX instructor.

Upon completing the course, you should be comfortable with performing instrument tuning and calibration, optimizing compound and source parameters, creating MRM and Scheduled MRM methods, performing data acquisition and quantitative processing, and maintaining your instrument. You should also understand the basics of QTRAP technology.

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

Training program overview

Your training includes the following:

- 3 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

- Mass spectrometry fundamentals
- Software overview
- Mass spectrometry scan types
- Instrument tuning and calibration
- MS/MS scan types, ion detection and signal handling
- Compound optimization
- Source optimization
- Acquisition method and batch submission
- Quantitation basics and data processing
- MS and computer maintenance
- Introduction to QTRAP technology (demonstration only)

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 18 P.A.C.E.® credits) must attend the entire training session and complete a brief evaluation survey.

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