

Agenda 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.

Course agenda

DAY 1

- **Lecture:** Mass spectrometry fundamentals
- **Lab exercise:** Analyst software overview
- **Lecture:** Mass spectrometry scan types
- **Lab exercise:** Instrument tuning and calibration
- **Lecture:** MS/MS scan types, ion detection and signal handling

DAY 2

- Knowledge review and discussion
- **Lab exercise:** Compound optimization
- **Lecture:** Source optimization
- **Lab exercise:** Source optimization
- **Lab exercise:** Acquisition method and batch submission

DAY 3

- Knowledge review and discussion
- **Lab exercise:** Method development challenge
- **Lecture:** Quantitation basics
- **Lab exercise:** Quantitation data processing
- **Lab exercise:** MS and computer maintenance
- **Demonstration:** Introduction to QTRAP technology
- Knowledge evaluation

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