SCIEX Now Learning Hub

SCIEX

The Power of Precision

Agenda 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 intermediate users with the knowledge necessary to successfully use their QTRAP system for qualitative workflows. 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 explaining Linear Ion Trap (LIT) theory, acquiring data using Scheduled MRM, IDA, MS^3 and MRM^3 methods, and performing library searching using SCIEX OS software.

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

Course agenda

DAY 1

- **Lecture**: Welcome and overview
- **Lecture**: Linear Ion Trap (LIT) theory
- **Lab exercise**: LIT calibration
- **Lecture**: LIT scans and parameters
- **Lab exercise**: Quad and LIT scans
- **Lecture**: Scheduled MRM acquisition
- **Lab exercise**: Scheduled MRM method development

DAY 2

- Knowledge review and discussion
- **Lecture**: Information Dependent Acquisition (IDA)
- **Lab exercise**: IDA workflow
- **Lecture**: Library searching using SCIEX OS software
- **Lab exercise**: Library searching

- **Lecture**: MS^3 and MRM^3 workflows
- **Lab exercise**: MRM^3 method development
- Knowledge evaluation and survey wrap up

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