

Syllabus for 4 day LC-MS method validation virtual

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 in a virtual format.

Course goals and outcome

This course is designed to provide intermediate to advanced learner with the knowledge necessary to successfully validate an LC-MS/MS assay on SCIEX systems. It is intended for those who have completed a Success Program, or have significant experience with SCIEX LC-MS systems.

This training is a mixture of synchronous and asynchronous training delivered over 4 days. Daily video conferencing sessions will be conducted by an instructor to explain and demonstrate each topic. Exercises and data files are provided to allow you to practice the principles demonstrated during the instructor-led sessions at a later time at your own pace.

Upon completion of the course, you should understand validation principles and parameters, be able to perform sample preparation, review data, and troubleshoot some common issues encountered during method validation.

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

Training program overview

Your training includes the following:

- 12 hours of virtual instruction delivered over 4 days by an experienced Applications Support Scientist
- 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

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Instructor-led training topics

- Introduction to method validation
- Accuracy and precision
- Linearity and sensitivity
- Recovery, matrix effects and dilution effects in validation
- Stability
- Carryover and contamination
- System suitability test
- Robustness for GMP method validation
- Correlation and method comparison
- Audit trail overview
- Troubleshooting validation issues

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