

## Syllabus for 2 day LC-MS method validation 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 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. It is delivered at a SCIEX location by an experienced SCIEX instructor using a combination of instructor-led and hands-on approaches.

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:

- 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.<sup>®</sup> Continuing Education Credits

### 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.<sup>®</sup> certification

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

The SCIEX clinical diagnostic portfolio is For In Vitro Diagnostic Use. Rx Only. Product(s) not available in all countries. For information on availability, please contact your local sales representative or refer to [www.sciex.com/diagnostics](http://www.sciex.com/diagnostics). All other products are For Research Use Only. Not for use in Diagnostic Procedures.

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