

Syllabus for Success Plus MD and Master MD: Clinical diagnostics quantitation on SCIEX Triple Quad and QTRAP systems

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 the customer site.

Course goals and outcome

This course is personalized for the clinical diagnostics quantitation workflow on the SCIEX Triple Quad and QTRAP systems.

This syllabus covers the Success Plus MD and Master MD programs. The Success Plus MD program includes 2.5 onsite training days and is intended for a learner with minimal experience. The Success Master MD program includes 3.5 onsite training days and is intended for a novice learner with no experience.

Table 1 details the topics that will be covered during the Success Plus MD and Master MD programs. The topics covered will vary depending on your level of experience and workflow.

The Success Plus MD program is intended to provide the learner with the knowledge necessary to set up the instrument, create basic and advanced LC-MS/MS methods, acquire data for a set of samples, perform quantitation, and carry out instrument maintenance.

The Success Master MD program is intended to provide the learner with the knowledge necessary to set up the instrument, optimize compound and source parameters to create basic and advanced LC-MS/MS methods, acquire data for a set of samples, perform quantitation, and carry out instrument maintenance.

This course offers Operator and Method Developer workflow certificates upon completion of a knowledge assessment.

Training Program Overview

Your Success Program training includes the following:

- 3 hours of introductory eLearning courses
- 5 hours (0.5 days) of instructor led and hands-on training provided at your site by a Service trainer
- **Success Plus MD:** 2 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in clinical diagnostics quantitation workflows
- **Success Master MD:** 3 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in clinical diagnostics quantitation workflows

- Complimentary follow-up virtual session with an Applications Support Scientist
- 4 hours of software and workflow related eLearning courses
- Basic Operator and Method Developer workflow certificates upon successful completion of final exams
- P.A.C.E.[®] Continuing Education Credits for on-site training and selected online eLearning courses
- Access to SCIEX Now Learning Hub database of >100 eLearning courses
- Access to SCIEX Now online support tools available for up to 3 Learners

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 12 P.A.C.E.[®] credits for Success Plus MD and 18 credits for Success Master MD) must attend the entire training session and complete a brief evaluation survey.

Table 1: Topics covered during Success programs

Topics covered during training	Success Plus MD program (2.5 total onsite days)	Success Master MD program (3.5 total onsite days)
Number of hands on training days	0.5 Days with Service trainer 2 Days with Applications Support Scientist	0.5 Days with Service trainer 3 Days with Applications Support Scientist
Fundamentals	Quantitation basics using LC-MS Sample preparation theory	Quantitation basics using LC-MS Sample preparation theory
SCIEX OS-MQ or Analyst software	Overview of different modules	Overview of different modules
Instrument optimization	Instrument optimization using PPG Solution	Instrument optimization using PPG Solution
Compound optimization	Not covered	Perform automated and manual compound optimization
Acquisition method	Create MS method with multiple MRM transitions Create Scheduled MRM method Create HPLC methods Using a diverter valve	Create MS method with multiple MRM transitions Create Scheduled MRM method Create HPLC methods Using a diverter valve
Source/gas optimization	Not covered	Optimal probe and electrode settings Perform FIA optimization Perform source optimization using a column
Data acquisition	Setup a sample batch Create Quick Quant Method Sample submission Queue management	Setup a sample batch Create Quick Quant Method Sample submission Queue management
Viewing data	Using Analyst MD Software to view data	Using Analyst MD Software to view data
Quantitation using MultiQuant MD software	Process MRM data Modify existing method	Process MRM data Modify existing method
Maintenance and troubleshooting	System maintenance HPLC and MS troubleshooting Best practices for LC-MS	System maintenance HPLC and MS troubleshooting Best practices for LC-MS

NOTE: the topics covered will vary depending on the learner's level of experience and their workflow

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