

Agenda for 3 day TripleTOF training for small molecule workflows 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 new users with an overview of the main quantitative and qualitative workflows for small molecule analysis on TripleTOF systems. It is delivered at a SCIEX location by an experienced SCIEX instructor using a combination of instructor-led and hands-on approaches.

The course covers software familiarization, instrument tuning and calibration, compound and method optimization, creation of MRM^{HR}, IDA and SWATH methods for quantitative, targeted and non-targeted workflows, using MultiQuant or SCIEX OS-Q software for data processing, and finally instrument maintenance and troubleshooting.

Upon completion of the course, you should be comfortable with performing instrument tuning and calibration, optimizing compound and source parameters, creating MRM^{HR}, IDA and SWATH methods, performing data acquisition and data processing for both targeted and non-targeted qualitative workflows, and maintaining your instrument.

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

Course agenda

DAY 1

- **Lecture:** TripleTOF system technology
- **Lecture:** LC-MS theory and TOF scans
- **Lab exercise:** Analyst TF software overview and hardware familiarization
- **Lecture:** Sample introduction and ionization techniques
- **Lecture:** Mass calibration and instrument optimization
- **Lab exercise:** Instrument tuning and calibration

DAY 2

- Knowledge review and discussion
- **Lecture:** Acquire mode, Method Wizard and acquisition batches
- **Lab exercise:** IDA acquisition and data processing
- **Lab exercise:** SWATH acquisition and data processing for targeted and non-targeted workflows
- **Lab exercise:** Creating targeted IDA and MRM^{HR} methods

DAY 3

- Knowledge review and discussion
- **Lecture:** Quantitation basics
- **Lab exercise:** Quantitative data processing using MultiQuant or SCIEX OS-Q software
- **Lab exercise:** MS and computer maintenance
- Knowledge evaluation and survey wrap up

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. All other products are For Research Use Only. Not for use in Diagnostic Procedures.

Trademarks and/or registered trademarks mentioned herein, including associated logos, are the property of AB Sciex Pte. Ltd. or their respective owners in the United States and/or certain other countries (see www.sciex.com/trademarks).

© 2022 DH Tech. Dev. Pte. Ltd. MKT-22793-A



Headquarters
500 Old Connecticut Path | Framingham, MA 01701 USA
Phone 508-383-7700
sciex.com

International Sales
For our office locations please call the division
headquarters or refer to our website at
sciex.com/offices