



Proteomics QTRAP® LC/MS/MS System Training

Class Agenda

Day 1: 9:30 a.m. – 5:30 p.m.*

- Welcome
- Lecture: Triple Quadrupole Theory – Sample Introduction, Ion Production, Ion Transfer, Quadrupole Theory, QTRAP® Theory
- Lecture: MS and MS/MS Scan Modes, QTRAP® Scan Modes, Ion Detection
- Lab: Analyst® Software Overview – Configure, Tune, Acquire, Explore, Quantitate, and Project Structure
- Lab: Automated PPG Tuning and Mass Calibration
- Lab: QTRAP® Tuning and Mass Calibration

Day 2: 9:30 a.m. – 5:30 p.m.*

- NanoSpray® Source III Handling
- Lab: Analyst® Software Tune Mode: Introducing TripleQuad and QTRAP® Scans and their Parameters
- Lab: Analyst® Software Acquire Mode: Principle of IDA acquisition methods, Creating methods and running a batch in infusion and LC-MSMS mode for non targeted Protein ID
- Lab: Database searches with ProteinPilot™/Mascot software

Day 3: 9:30 a.m. – 5:30 p.m.*

- Lab: Explaining of different workflows for MRM optimization, with and without synthetic standards
- Lab: MRMPilot™/MultiQuant™ software optimization workflow without synthetic standards
- Lab: Creating and running MIDAS methods for targeted Protein ID
- Lab: MRM Compound optimization workflow with synthetic standards
- Demonstration: Preventative Maintenance (PC, Cleaning the Interface, Ion Source)
- Certificates and Evaluations

**end time is approximate and may vary.*

Online agenda version 1.0

The information in this document is subject to change.