Targeted Proteomics — SRM PRM & Assay Design — Hands-on

Learn how to design and run targeted proteomics assays using SRM/MRM and PRM workflows. From biomarker panel design, peptide and transition selection, and Skyline based method building to scheduling, QC, longitudinal monitoring and data interpretation, you will build practical assays that are ready for real projects.

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Session Index

Session 1

Fee: Rs 12320 Apply Now

Concepts, Use Cases & Marker Selection

Targeted vs discovery proteomics

SRM/MRM vs PRM ideas **when targeted is preferred** **clinical and industrial use cases**

Candidate marker selection

from discovery proteomics **literature and databases** **biological plausibility checks**

Assay scope and performance targets

panel size and depth | LoD/LoQ goals | %CV and throughput targets

Session 2

Fee: Rs 16520 Apply Now

Peptide & Transition Design (Skyline)

Proteotypic peptide selection

length and composition rules | avoiding PTM hotspots | uniqueness and isoforms

Transition design and filtering

y ion focus and charge states | interference checks | dotp and library based ranking

Skyline project setup

importing spectral libraries | instrument and method settings | exporting inclusion lists

Session 3

Fee: Rs 20720 Apply Now

Method Setup, Scheduling & QC

SRM/MRM and PRM method building

dwell times and cycle time | resolution settings | collision energy optimization ideas

Retention time prediction and scheduling

iRT based prediction | scheduled windows | balancing coverage vs stability

System suitability and assay QC

stable isotope standards | precision and linearity

checks run acceptance rules

Session 4

Fee: Rs 26320 Apply Now

Quantitation, Panels & Reporting

Peak integration and review (Skyline)

co elution of transitions signal to noise checks manual vs automated refinement

Calibration curves and longitudinal panels

standard curves and weighting intra/inter day precision drift monitoring and correction

Assay documentation and reporting

method sheets and SOPs panel level performance tables plots for manuscripts and regulators