

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

Learn how to design, optimize and interpret targeted proteomics assays using SRM and PRM. This module focuses on panel planning, transition selection, scheduling concepts, calibration and QC strategies so that you can support verification and clinical-style studies with robust, traceable protein quantification.

## Targeted Proteomics — SRM PRM Assay Design

[Help Desk · WhatsApp](#)

### Session Index

[Session 1 — Targeted Proteomics Foundations & Use Cases](#) [Session 2 — SRM/PRM Panel & Transition Design](#) [Session 3 — Calibration, LLOQ & Matrix Effects](#) [Session 4 — QC, Monitoring & Reporting for Targeted Assays](#)

### Session 1

**Fee: Rs 8800** [Apply Now](#)

### Targeted Proteomics Foundations & Use Cases

What SRM and PRM measure in targeted proteomics

[monitoring specific peptides](#) [precursor and fragment pairs](#) [high sensitivity quantification](#)

SRM vs PRM at a conceptual level

[triple quadrupole vs high resolution MS2](#) [transition lists vs full MS2 windows](#) [coverage vs selectivity](#)

## tradeoffs

Where targeted assays fit in study pipelines

verification after discovery LC&ndash;MS/MS panel  
based biomarker studies clinical and regulated lab  
contexts

## Session 2

Fee: Rs 11800 Apply Now

### SRM/PRM Panel & Transition Design

Selecting proteins, peptides and transitions conceptually

proteotypic peptide idea avoiding PTM and SNP  
hotspots fragment ion choice logic

Panel size, scheduling and dwell time thinking

time window scheduling concepts cycle time vs  
number of transitions balancing depth and precision

Stable isotope standards and internal reference ideas

use of heavy labeled peptides conceptually  
normalization anchors panel level reference  
strategies

## Session 3

Fee: Rs 14800 Apply Now

### Calibration, LLOQ & Matrix Effects

Calibration curve concepts for targeted assays

standard curve design dynamic range and linearity  
back calculation intuition

LLOQ, ULOQ, precision and accuracy at a high level

limits of quantification ideas replicate variability  
reasoning %CV and bias concepts

Matrix effects and recovery thinking

**ion suppression concept** **spike and recovery ideas**  
**strategies to assess and mitigate impact**

#### **Session 4**

**Fee: Rs 18800** Apply Now

### QC, Monitoring & Reporting for Targeted Assays

QC sample types and run order concepts

**theory plus planning worksheet**

Monitoring assay performance over time

**QC charts and stability ideas** **signal drift thinking**  
**criteria for acceptance vs repeat**

Reporting targeted assay methods and results clearly

**methods and validation summaries** **key tables and**  
**figures** **documentation for audits and submissions**