

Analytical QC Metrics, Benchmarking and Performance Monitoring Workshop

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Workshop Index Duration: 3 Days

Use the index to navigate the workshop sections and open quick reference modals for scope, audience, outcomes, delivery, policies, and FAQs.

Quick Summary Overview & Outcomes Agenda & Hands-on Deliverables & FAQs

Quick View Who Should Attend Outcomes Delivery Policies FAQs

Quick Summary

Quality Control Workshop Format Practice Ready

QC Metrics and Monitoring Foundations

Connect assay quality, process stability, and review readiness in one monitoring model.

Monitoring Model Assay Quality

Review precision, accuracy, recovery, repeatability, drift, turnaround, and exception metrics.

Metric Families Trend Signals

Convert QC records into dashboards that surface change points and recurring deviations.

Dashboards Deviation Review

Compare threshold rules, alert tiers, and escalation logic for

action oriented monitoring.

Threshold Design Escalation Logic

Benchmark expected variation against meaningful process shifts in routine operations.

Benchmarking Process Shifts

Overview

Benchmark Design Applied Learning Decision Support

Analytical Scope, Performance Signals, and Learning Outcomes

Map quality attributes, control points, and operational indicators used in QC oversight.

Quality Attributes Control Points

Identify source inputs such as control charts, batch review logs, and deviation summaries.

Data Sources Control Charts

Build scorecards that prioritize accuracy, consistency, timeliness, and compliance visibility.

Scorecards Compliance Visibility

Define acceptable ranges, trigger limits, and alert rules across methods and teams.

Trigger Limits Method Comparison

Interpret chronic drift, isolated excursions, seasonal loading, and review backlog signals.

Pattern Review Drift Detection

Agenda

Three Day Flow Hands On Scenario Based

Three Day Agenda with Applied Hands-on Activities

Day 1 covers metric selection, KPI layering, baseline setting, and evidence quality checks.

Day 1 KPI Layering

Day 2 focuses on threshold calibration, deviation clustering, alert routing, and issue grouping.

Day 2 Alert Routing

Day 3 covers dashboard storytelling, management review prep, and action follow through.

Day 3 Management Review

Hands-on work builds a metric dictionary, signal thresholds, and dashboard sections.

Metric Dictionary Dashboard Sections

Review sessions cover trend charts, outlier reading, root cause framing, and response priority.

Trend Charts Response Prioritization

Deliverables

Reference Assets Guided Support Frequently Asked

Workshop Deliverables, Support Material, and FAQs

Receive a checklist for metric selection, thresholds, escalation paths, and monitoring ownership.

Selection Checklist Ownership Map

Use template assets including a metric dictionary, dashboard wireframe, review cadence sheet, and action log.

Template Assets Action Log

FAQ guidance explains background needs, source data

expectations, and context adaptation.

Background KnowledgeSource Data Needs

Apply tool agnostic examples with spreadsheets, dashboards, or existing quality systems.

Tool AgnosticQuality Systems

Use the material to standardize review conversations and improve escalation consistency.

StandardizationWorkshop Support

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