



Laboratory Quality Management System (LQMS)

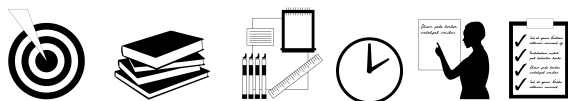
(Module 10)

Process Control: Quality Control-Introduction

Acknowledgements

This Module was prepared by Beatrice Orena.

Part 9.0: Process control Introduction



PURPOSE: To provide participants with a general overview of concepts of quality control. It serves as an introduction to both the Quantitative Quality Control (Module 7) and the Qualitative/Semi-quantitative Quality Control (Module 8).

LEARNING OBJECTIVE:

At the end of this module, participants will be able to:

define quality control and describe its relationship to the overall quality management system;

Describe differences in quantitative, semi-quantitative, and qualitative examinations.

MATERIALS:

1. PowerPoint slides or transparencies
2. Overhead projector or computer with an LCD projector
3. Prepared flipchart, white board, or chalk board
4. Paper cards, markers, and tape
5. Additional handouts as required.

TIMELINE: 30 Minutes

METHODOLOGY:

1. Lecture
2. Discussion
3. Exercise

ADVANCE PREPARATION:

1. Printing notes,
2. Familiarize oneself with the slides
3. Read facilitators Notes and ISO 15189 Standard

FACILITATORS STEP-BY STEP INSTRUCTIONS:

1. Welcome and Introduction
2. Present module overview
3. Ask Questions in between the presentation to actively involve participants.
4. Continue the presentation
5. Recap presentation using the Assessment questions
6. Ask if there is any question.

FACILITATORS NOTES

1. Put more Emphasis on quality control of all tests in the lab, and why this is important.
2. Encourage active participation from the class.
3. Use relevant examples and illustrations from the slides to help participants understand.

SLIDE OF POWERPOINT PRESENTATION



SITUATION ANALYSIS/ EXERCISES

1. Randomly select one/two Participants to define Quality Control
2. As participants why it is necessary to carry out quality control.

ASSESSMENT REVIEW

1. Define Quality Control
2. Why is Quality Control Important in the Laboratory?
3. Differentiate between Qualitative, Quantitative and Semi-Quantitative Examinations
4. Mention 4 steps in Establishing a QC program

REFERENCES

- CLSI – Standards, guidelines, and best practices for quality in medical testing
- WHO – Laboratory Quality Management System - Handbook
- ISO 15189 – Medical laboratories – Requirements for quality and competence