

TRAINING ON MICROBIOLOGY PT SAMPLES PREPARATION

6th -10th MAY 2024

Course overview

Proficiency testing (PT) is a means of external quality assessment that is one of the main facets of the Chemiluminescence Immunoassay (CLIA) quality system for non-waived testing. It is a valuable tool for assessing laboratory performance and verifying the accuracy and reliability of test results. The training is highly hands on, and each trainee will learn to independently prepare proficiency testing (PT) samples for the different species of bacteria in water, they will also be able to perform total plate count in food samples, learn about QC requirements for the PT sample preparation and how to analyse their results. They will always be guided and assessed by our highly experienced trainers.

Methods

ISO Guide 34:2009 for microbiology PT samples preparation

Equipment

As per methods need

Suitability

This course is suitable for researchers, scientists, laboratory analysts, clinicians, laboratory technicians, laboratory technologists, microbiologists, postgraduate students, quality control personnel and quality assurance personnel.

Course duration

The course will run over a period of five days.

DAY 1 (09.00-10.00)	● Registration and Orientation
10.00-10.30	<i>Tea Break</i>
11.00-12.30	● Preparation of proficiency testing samples for <i>Total Coliforms</i> in water
12.30-14.00	<i>Lunch Break</i>
14.00 -16.30	● Preparation of proficiency testing samples for <i>Fecal Coliforms</i> in water
DAY 2 (9.00-10.30)	● Preparation of proficiency testing samples for <i>E-coli</i> in water
10.30-11.00	<i>Tea Break</i>
11.00-12.30	● Total plate count in food samples
12.30-14.00	<i>Lunch Break</i>

14.00-16.30	● Quality control requirements for preparation of proficiency testing samples
DAY 3 (9.00-10.30)	● Identification of microbial strain
10.30-11.00	<i>Tea Break</i>
11.00-12.30	● Selection and Preparation of matrix
12.30-14.00	<i>Lunch Break</i>
14.00-15.30	● Preparation of reference material
DAY 4 (9.00-10.30)	● Microbiological examination
10.30-11.00	<i>Tea Break</i>
11.00-12.30	● Homogeneity assessment
12.30-14.00	<i>Lunch Break</i>
14.00-15.30	● Stability assessment
DAY 5 (9.00-10.30)	● Proficiency samples transport and storage
10.30-11.00	<i>Tea Break</i>
11.00-12.30	● Analysis of PT results, statistical assessment and data reporting in accordance with the requirements of ISO/IEC-17043 Standards
	12.30-14.00
14.00 – 15.00	● Recap of the course, closing ceremony and issuance of certificates
Dates: 6th–10th May,2024 Reg Deadline 26th April,2024	
Cost Kes. 92,800.00 or USD 928.00	
NAIROBI	

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