

HANDS-ON TRAINING ON ENZYME-LINKED IMMUNOSORBENT ASSAY(ELISA)TECHNIQUE AND PCR (ELISA-PCR)

13th -17th MAY 2024

Course Overview

Chrom Africa offers an outstanding platform for training on Polymerase Chain Reaction- Enzymes-linked Immunosorbent assay(PCR-ELISA) which is a commonly used analytical and biochemistry assay and or diagnostic tool in medicine,plant pathology,biotechnology and quality control check in various industries

Suitability

This course is suitable for researchers, scientists, laboratory analysts, graduate students and postgraduate students who have a background in molecular biology/biotechnology,analytical chemistry or biochemistry, who are interested in learning more about the practical aspects of the course.

DAY 1 (09.00-10.00)	Theoretical overview of Immunological Techniques. <ul style="list-style-type: none"> ● Registration and Orientation ● Direct ELISA and Indirect ELISA
10.00-10.30	<i>Tea Break</i>
11.00-12.30	<ul style="list-style-type: none"> ● PCR-ELISA and its application
12.30-14.00	<i>Lunch Break</i>
14.00 -16.30	<ul style="list-style-type: none"> ● Critical Instrumentation: analogue versus automated platforms.
DAY 2 (9.00-10.30)	Knowing your equipment and its capabilities. <ul style="list-style-type: none"> ● Configuring and using analogue Plate washer and Plate readers.
10.30-11.00	<i>Tea Break</i>
11.00-12.30	<ul style="list-style-type: none"> ● Programming and PCR-ELISA demo run on DS2.
12.30-14.00	<i>Lunch Break</i>
14.00-16.30	<ul style="list-style-type: none"> ● Programming and demo qPCR demo run on Rotor-GeneQ.
DAY 3 (9.00-10.30)	PCR-ELISA versus Conventional PCR and qPCR <ul style="list-style-type: none"> ● Diagnostic Tests for selected Infectious Diseases using PCR-ELISA, PCR and qPCR

10.30-11.00	Tea Break	
11.00-12.30	<ul style="list-style-type: none"> Continuation; Diagnostic Tests for selected Diseases using PCR-ELISA and qPCR 	
12.30-14.00	Lunch Break	
14.00-15.30	<ul style="list-style-type: none"> Mandatory Quality Control issues in PCR-ELISA 	
DAY 4 (9.00-10.30)	Application of PCR-ELISA in various fields of biomedicine <ul style="list-style-type: none"> PCR-ELISA technique for detection of food-borne pathogens. 	
10.30-11.00	Tea Break	
11.00-12.30	<ul style="list-style-type: none"> PCR-ELISA technique for detection of human and animal viruses. 	
12.30-14.00	Lunch Break	
14.00-15.30	<ul style="list-style-type: none"> PCR-ELISA technique for detection of plant pathogens. PCR-ELISA technique for detection of cancer cells 	
DAY 5 (9.00-10.30)	Expanding the PCR-ELISA Toolbox <ul style="list-style-type: none"> Multiplexing with PCR-ELISA. 	
10.30-11.00	Tea Break	
11.00-12.30	<ul style="list-style-type: none"> Two-step strategies 	
Lunch Break	12.30-14.00	
14.00 – 15.00	<ul style="list-style-type: none"> Asymmetric PCR-ELISA. Closing ceremony and issuance of certificates 	
Date: 13th–17th May, 2024 Deadline 26th April, 2024		Cost Kes. 92,800.00 or USD 928.00
		KISUMU

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