



INTRODUCTION TO LINE PROBE ASSAY(LPA) COURSE

Date:

Venue:

Presenter:

OUTLINE

- Introduction, getting to know each other
- Expectations
- Goal
- Objectives
- Learning Outcomes
- Training methodology
- Duration of the course
- Program- content
- Evaluation-
- Logistics
- Assessment will be through observations, practicals and written tests or exercises.
- Number of CEUs
- Certification Criteria
- Disclosure (Proprietary Interest)
- facility tour

Introduction, getting to know each other

- What is your name
- Where are you from (home)
- Do you have a hobby
- What is your professional working area
- What do you (dis)like in your work

Expectations

GOAL

To develop and strengthen participant capacity in performing first and second line LPA assay.

OBJECTIVES

By the end of this course participants should be able to:

- Understand the molecular biology concepts

- Apply the appropriate safety precautions in the molecular laboratory

- Correctly perform First and Second Line Probe Assay technique

- Employ use of quality control during analysis

- Correctly interpret first and second line LPA tests results

- Trouble shoot 1ST and 2nd line LPA tests results, procedure and equipment.

Learning outcome

Learners will gain technical competency in correctly performing first and second line LPA

Training methodology

Lecture

Demonstrations

discussions

Exercises

- Practical hands on

Duration

- Number of days: 10 days
- Start time: 9:00 am
- End time: 5:00pm

Course content

Algorithm for WHO Recommended Diagnostics (WRDs), (Xpert, 1st and 2nd Line LPA)-

Concept of Biosafety in Molecular Laboratory

Equipment Requirements and activities in LPA Molecular Lab

DNA Extraction

Amplification

Hybridization

Results interpretation

Trouble shooting on discordant results between Genotypic and phenotypic DST

Identification of NTM using LPA

Evaluation

- daily evaluation comments- during training
- End of course final Evaluation
- Facilitators evaluation

Logistics

- Breaks: two coffee breaks and one lunch break
- Transport: pick up to and from the training venue to hotel

Assessment

- Pre/post tests
- Practical assessment
- Exercises
- attendance

Number of CEU

- 4

Certification criteria

Certificate of attendance: Learner scores less than 80%

Certificate of achievement: Learner scores at least 80%

Disclosure (Proprietary Interest)

Persons or groups are required to disclose a potential, perceived, and actual conflict of interest while executing their duties at the Uganda NTRL/SRL. There is no conflict of interest for all the learning courses offered

- For this particular training no conflict of interest has been disclosed

Confidentiality and access to learner records

- Correspondences and information related to the course **SHALL** be keep confidential unless consent for disclosure has been granted in writing by NTRL/SRL.
- Permission will be sought from learners to release their Confidential, private or sensitive information regarding CE training records

NB: There are incidences when permission **WILL NOT BE SOUGHT** to disclose confidential private or sensitive CE records such as information disclosed to NTRL funders/sponsors, National and international regulatory bodies, accreditation bodies to which Uganda NTRL/SRL subscribes to and among others where applicable. *Signed terms and conditions*

- Learners **WILL ACCESS COPY(IES)** of their training records, certificates, among others, upon seeking authorization from the training coordinator using the Email; training@ntrl.or.ug
- Feedback will be provided within ten working days from the date of request.

Facility tour

THANK YOU