

FACILITATOR GUIDE

Training on Proficiency Testing Scheme (GeneXpert DTS)

Module 3 : Introduction to Genexpert PT

Acknowledgements

This Module was prepared by SRL-Uganda training team

Part 3.0: Introduction to Genexpert PT



OBJECTIVE: To acquaint and refresh participants with the basic knowledge on planning a GeneXpert PT scheme

MATERIALS:

1. Handouts,
2. Slides
3. Computer
4. Over head projector
5. Flip chart
6. Markers and pens
7. Note books

TIMELINE: 45 Minutes

METHODOLOGY:

1. Lecture
2. Discussion

ADVANCE PREPARATION:

1. Printing notes,
2. Familiarize oneself with the slides

FACILITATORS STEP-BY STEP INSTRUCTIONS:

1. Welcome and Introduction
2. Present module overview
3. Ask question about module expectations
4. Distribute handouts
5. Start the presentation
6. Recap presentation using discussion questions
7. Ask if there is any question.

FACILITATORS NOTES

1. Make sure you go slow with the presentation as follows;
 - Purpose of GeneXpert PT
 - Type of Scheme
 - Make sure you know FTA in full
 - The choice of DTS as the preferred method of choice for the scheme

Verification

2. Encourage some of the participants to answer some of the questions that may arise during the presentation as this may create active participation from most of the class.

SLIDE OF POWERPOINT PRESENTATION



SITUATION ANALYSIS/ EXERCISES

- In a group of 3 describe the different methods available for making GeneXpert PT items. (5 minutes)

ASSESSMENT REVIEW

1. What type of PT scheme does GeneXpert scheme belong to?
2. Compare and contrast DTS, FTA and liquid panels
3. Mention major requirements to get started with PT preparation

REFERENCES

GXPT/FG/003
Version 2.0
Effective date: 01-Apr-2022

- ISO 13528:2005, *Statistical methods for use in proficiency testing by interlaboratory comparisons*
- ISO 15189:2012, *Medical laboratories – Particular requirements for quality and competence*
- ISO Guide 34, *General requirements for the competence of reference material producers*
- ISO Guide 35, *Reference materials – General and statistical principles for certification*
- ISO/IEC 17043 First edition 2010-02-01
- Guide 34, ISO Guide 35 and ISO 13528 (homogeneity and stability)
- ISO/IEC Guide 98-3, *Uncertainty of measurement – Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*
- ISO/IEC 17011:2004, *Conformity assessment – General requirements for accreditation bodies accrediting conformity assessment bodies*
- ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*