

FACILITATOR GUIDE

Training on Proficiency Testing Scheme (GeneXpert DTS)

Module 4 : Workflow in the preparation of DTS panels

Acknowledgements

This Module was prepared by SRL-Uganda training team.

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OBJECTIVE: To acquaint participants with the technical work flow and management processes in preparation of genexpert PT panels

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
3. Preparation of necessary practical materials needed

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;
Preparation of culture isolates and choice of culture method

- Inactivation and method of choice
- Dilution factors
- Keeping the DTS out of UV light
- 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.
- 3. Make sure the materials required for the practical are readily.

SLIDE OF POWERPOINT PRESENTATION


THE REPUBLIC OF UGANDA
MINISTRY OF HEALTH


UGANDA
Supranational[®]
Reference Laboratory
Timely Accurate Diagnostics for a TB-Free Africa

**Training on Proficiency Testing Scheme
GeneXpert DTS**

Module 4: Workflow on preparation of DTS panels

Dd-dd-Month-Year
Facilitator's name
Venue

1

SITUATION ANALYSIS/ EXERCISES

- Non except real engagement of participants in the practice areas

ASSESSMENT REVIEW

1. What is the method employed to verify inactivation of the inoculum?
2. Why do you think MGIT culture is preferred to LJ for growth of the inoculum?
3. Why are the DTS preparations left to dry out of UV light?

REFERENCES

ISO 13528:2005, Statistical methods for use in proficiency testing by interlaboratory comparisons

ISO Guide 34, General requirements for the competence of reference material producers

ISO Guide 35, Reference materials – General and statistical principles for certification

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