

## **FACILITATOR GUIDE**

### **Training on Proficiency Testing Scheme (GeneXpert DTS)**

#### **Module 9: Pre-test and stock selection**

---

#### **Acknowledgements**

GXPT/FG/009  
Version 2.0  
Effective date: 01-Apr-2022

Page 1 of 5

This Module was prepared by SRL-Uganda training team

The inputs provided by the representatives of SRL-Uganda are acknowledged.

## Part 9.0: Pre-test and stock selection



**OBJECTIVE:** To acquaint and refresh participants with the basic knowledge on DTS Pre-test and stock selection in preparation of genexpert DTS proficiency testing panels.

**MATERIALS:**

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

**TIMELINE:** 90 Minutes

**METHODOLOGY:**

1. Lecture
2. Discussion

**ADVANCE PREPARATION:**

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

**FACILITATORS STEP-BY STEP INSTRUCTIONS:**

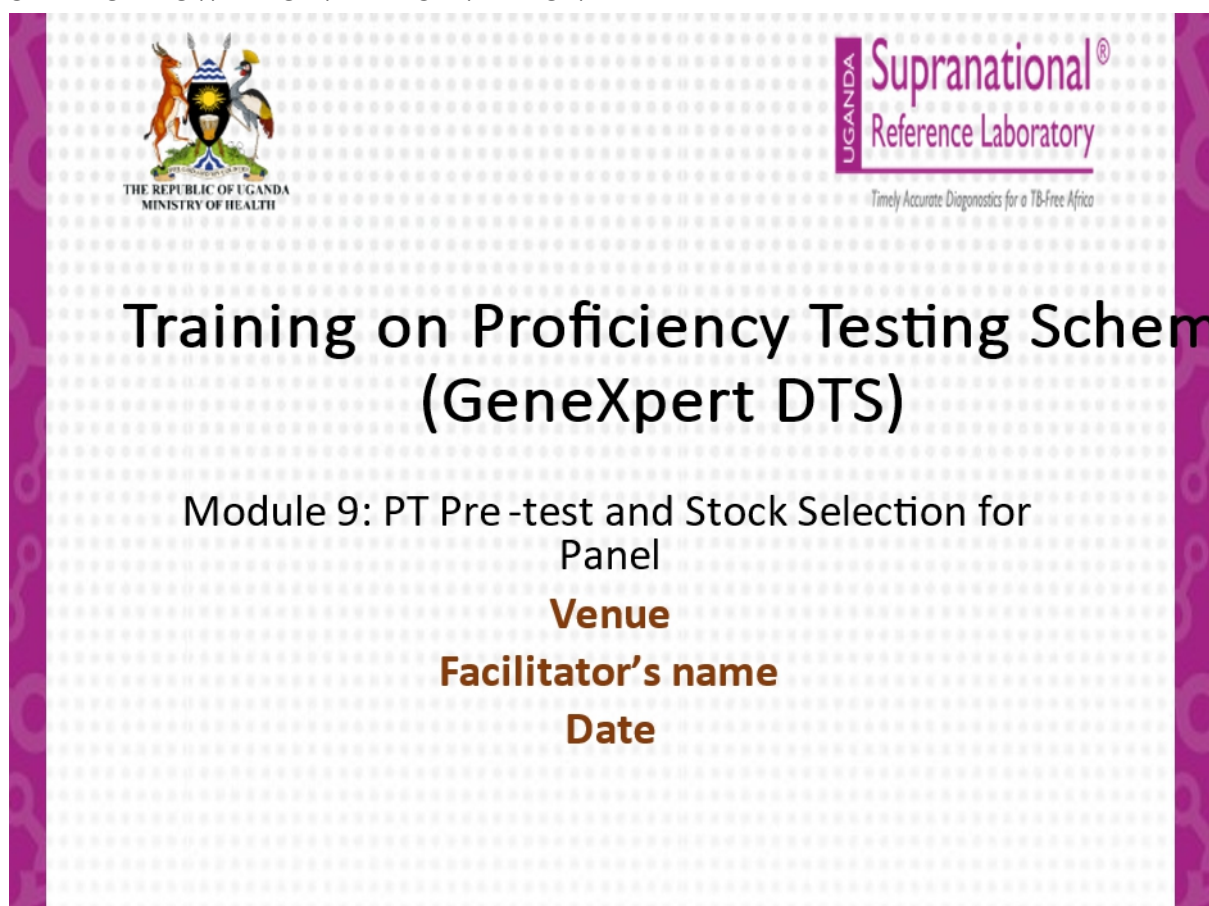
1. Welcome and Introduction
2. Present module overview
3. Ask question about module expectations
4. Distribute handouts
5. Start the presentation
6. Recap presentation using discussion questions
7. Ask if there is any question.

**FACILITATORS NOTES**

1. Make sure you go slow with the presentation chronologically as in the ppt file;
2. Define What is A pretest and the guiding principles for carrying out a Pretest

3. Describe in detail the Pretesting steps undertaken while preparing genexpert PT panels
4. Give the different scenarios under which Pretest failure and passage
5. 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.
6. Make sure the materials required for the practical session are readily as this module requires direct engagement and attention from participants.

#### SLIDE OF POWERPOINT PRESENTATION



#### SITUATION ANALYSIS/ EXERCISES

- Pre-test results, Inactivation verification, Group Activity

#### ASSESSMENT REVIEW

1. How do we ensure that the DTS prepared post inactivation are dry? Is this essential? If yes or no, WHY?
2. What are the steps taken in the choice of a stock for use in DTS preparation?

## 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