

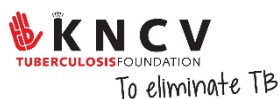
Training on MGIT Culture

MODULE 3:

BIOSAFETY IN A MGIT TB CULTURE LABORATORY



USAID
FROM THE AMERICAN PEOPLE



Version: 1.0

MG/FG/003
Version 1.0
Effective date: 01-Jun-2019

Date:

Acknowledgements

This Module was prepared by:

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

Part 3.0: Concepts of Bio-Safety in TB Culture Laboratory



OBJECTIVE: To acquaint participants with Knowledge of Bio-safety in a TB Culture Laboratory

MATERIALS:

1. Handouts,
2. Slides
3. PPE: gloves, lab coats/gowns, lab shoes/shoe covers and N95 respirators

TIMELINE: 45 Minutes

METHODOLOGY:

1. Lecture
2. Discussion
3. Demonstration
4. Video

ADVANCE PREPARATION:

1. Printing notes,
2. Reading Biosafety materials and slides
3. Preparing the PPE demonstration materials: gloves, lab coats/gowns, N95 respirators and lab shoes/shoe covers.

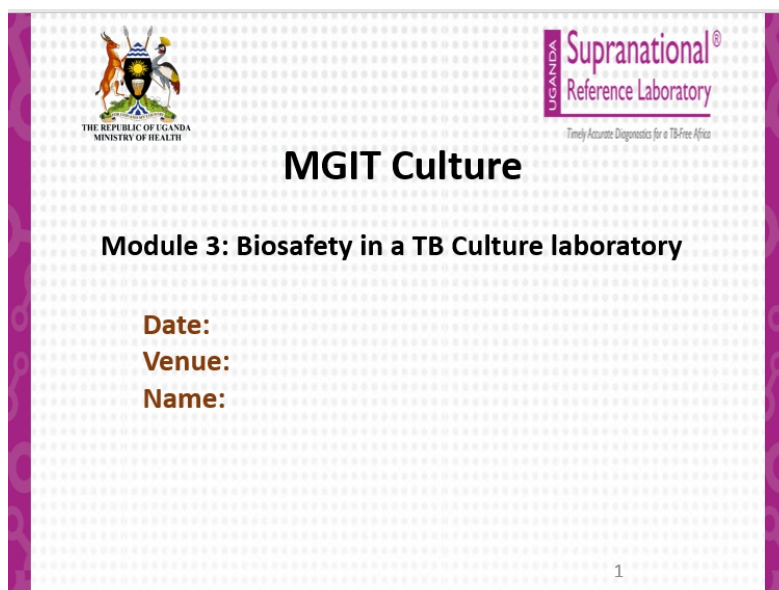
FACILITATORS STEP-BY STEP INSTRUCTIONS:

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. Personal Protective Equipment demonstration
8. Ask if there is any question.

FACILITATORS NOTES

1. Notes on Personal Protective Equipment
2. Discussion questions; how do you manage spillage in molecular lab, what safety measure are required in molecular lab.
3. Instructions on demonstration

SLIDE OF POWERPOINT PRESENTATION



SITUATION ANALYSIS/ EXERCISES

Ask for a volunteer (s) to practice donning and doffing of PPE

Gloves

- Assess how well the gloves are put on/don
- Ensure that double gloving is maintained
- Observe the removal/doff of the gloves: ensure that contamination of the dirty/ contaminated gloves does not touch the skin

N95 respirator

- Observe procedure of putting on the respirator.
- Straps should be hanging freely under the palm.
- Respirator should be placed on the face without touching the inside.
- Metal clip of the respirator should sit on the nose and should be carefully molded to conform to the nose of the user.
- Comment about the labeling and storage of the respirators

Laboratory gown

- Observe if the person correctly ties the four straps of the gown.
- Observe whether the gown is correctly removed taking care not to contaminate the inside part.

Respirator fit testing

- Play the 8 minute video that demonstrates the fit testing procedure
- After the video explain the various components of the fit testing kit
- Get a volunteer and demonstrate to the class how to conduct the fit testing.
- Allow at least 2 or 4 persons to come be fit tested by the fellow participants.
- Observe and guide the class through the various activities of the fit testing session.

ASSESSMENT REVIEW

1. What is the required concentration of Lysol in a TB Culture laboratory?
2. What biosafety level is ideal for a Culture laboratory?
3. What are the required PPE to be put on in a TB Culture Laboratory?

REFERENCES

- GLI TB training package <http://www.stoptb.org/wg/gli/trainingpackages.asp>