

FACILITATOR GUIDE

THE TB SAMPLE REFERRAL SYSTEM (TSRS) TRAINING

MODULE 3

Biosafety in the laboratory and a TB Sample referral system: Transmission of TB, Biohazards in a TB laboratory, Risk assessment in a TB laboratory, Essential biosafety measures for TB laboratories, Personal protective equipment, Disinfectants active against *M. tuberculosis*, Emergence preparedness Plan.

Acknowledgements

This Module was prepared by Akum Mary.

Part 3.0: Module 3 Biosafety in the laboratory and Hub: Transmission of TB, Biohazards in a TB laboratory, Risk assessment in a TB laboratory, Essential biosafety measures for TB laboratories, Personal protective equipment, Disinfectants active against *M. tuberculosis*, Emergence preparedness Plan.



OBJECTIVE: To have an understanding of the why and how to ensure laboratory safety is part of the TB Referral system.

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
3. Assessment/group exercise

ADVANCE PREPARATION:

1. Printing of handouts,
2. Familiarize oneself with the slides

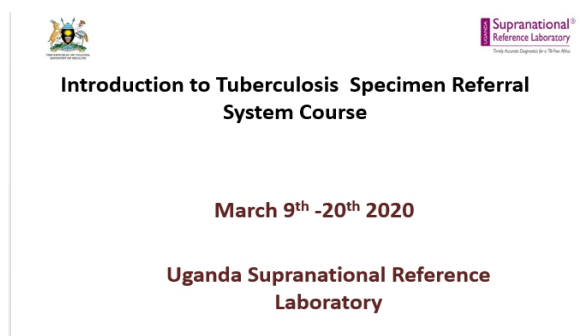
FACILITATORS STEP-BY STEP INSTRUCTIONS:

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

FACILITATORS NOTES

1. Take critical understanding of Transmission of TB, Biohazards in a TB laboratory, Risk assessment in a TB laboratory, Essential biosafety measures for TB laboratories, Personal protective equipment, Disinfectants active against *M. tuberculosis*, Emergence preparedness Plan.
2. This session requires direct engagement with participation from the class.
3. Be up to date with the current “**TUBERCULOSIS LABORATORY BIOSAFETY MANUAL**” which can be accessed from the links included in the reference below

SLIDE OF POWERPOINT PRESENTATION



SITUATION ANALYSIS/ EXERCISES

Break class into groups of 3-5 people

1. How do you ensure that you're not exposed to TB disease as you perform your duties as a:
Laboratory worker
Sample transporter

ASSESSMENT REVIEW

1. How is TB transmitted?
2. List some of the sources of biohazards in TB lab?
3. Describe the steps you would take to carry out a risk assessment in a TB lab?
4. What disinfectants are used in a TB lab?

REFERENCES

- GLI TB training package <http://www.stoptb.org/wg/gli/trainingpackages.asp>
- GLI guide to TB specimen referral systems and integrated network GLI guide to TB specimen referral systems and integrated network
http://www.stoptb.org/wg/gli/assets/documents/GLI_Guide_specimens_web_ready.pdf
- TUBERCULOSIS LABORATORY BIOSAFETY MANUAL
https://apps.who.int/iris/bitstream/handle/10665/77949/9789241504638_eng.pdf?sequence=1