

## Tuberculosis Drug and Susceptibility Testing Training (MGIT DST – Liquid Method)

### PROPOSED TRAINING SCHEDULE FOR MGIT DST FROM \_\_\_\_\_ TO \_\_\_\_\_

Time	Session	Facilitator
<b>DAY 1</b>		
9:00-9:45	Welcome/opening remarks/ Introduction to goals, objectives, expected results/ logistic announcements and tour of facility	
9:45-10:45	Pre-test	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:00	Biosafety in a DST laboratory (T)	
12:00-12:45		
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	General epidemiology of Tuberculosis (T)	
14:30-15:15	General epidemiology of Tuberculosis (T)	
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	WHO recommendations for TB diagnosis and algorithms (T)	
<b>DAY 2</b>		
9:00-9:15	Recap of Day 1	
9:15-10:00	Principles of Drug resistance(T)	
10:00-10:45	BACTEC MGIT 960 DST quality control -T	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:00	BACTEC™ MGIT™ 960 culture positive, AFB smear, and identification – T	
12:00-12:45	Inoculation and drug preparation for MGIT 960 DST system -T	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	MGIT DST (reconstitution of BD lyophilized drugs and drugs from other manufacturers)-P	
14:30-15:15	MGIT DST (reconstitution of BD lyophilized drugs and drugs from other manufacturers)-P	
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	MGIT DST (reconstitution of BD lyophilized drugs and drugs from other manufacturers)-P	

<b>DAY 3</b>		
9:00-10:45	Staff meeting	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-11:45	Recap of Day 2	
11:45-12:30	MGIT DST (reconstitution of BD lyophilized drugs and drugs from other manufacturers)-P	
12:30-12:45	QC for prepared MGIT DST drugs-P	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	MGIT Culture Lab Equipment (T)	
14:30-15:15	MGIT Culture Lab Equipment (D)	
<b>15:15-15:45</b>	<b>BREAK</b>	
15:45-16:30	Isolate requirements for MGIT DST (T)	
16:30-16:45	Isolate requirements for MGIT DST (T)	
<b>DAY 4</b>		
9:00-9:15	Recap of day 3	
9:15-10:00	Isolate requirements for MGIT DST (T)	
10:00-10:45	Isolate requirements for MGIT DST (T)	
10:45-11:15	<b>BREAKFAST</b>	
11:15-12:00	MGIT DST from liquid positive culture-P	
12:00-12:45	MGIT DST from liquid positive culture-P	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	MGIT DST from liquid positive culture-P	
14:30-15:15	MGIT DST from liquid positive culture-P	
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	MGIT DST from liquid positive culture-D	
<b>DAY 5</b>		
9:00-9:15	Recap of Day 4	
10:00-10:45	MGIT DST from solid positive culture-P	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:00	MGIT DST from solid positive culture-P	

12:00-12:45	MGIT DST from solid positive culture-P	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	MGIT DST from solid positive culture-P	
14:30-15:15	MGIT DST from solid positive culture-P	
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	MGIT DST from solid positive culture-P	
	<b>DAY 6</b>	
9:00-9:45	Recap of the previous week	
9:45-10:30	Recap of the previous week	
10:30-11:00	<b>BREAKFAST</b>	
11:00-11:45	Pipetting practice(P)	
11:45-12:30	Pipetting practice(P)	
12:30-13:30	<b>LUNCH</b>	
13:30-16:45	Pipetting practice(D)	
	<b>DAY 7</b>	
9:00-9:15	Recap of Day 6	
9:15-10:00	Interpretation and reporting of MGIT DST results (T)	
10:00-10:30	<b>BREAKFAST</b>	
10:30-11:15	Interpretation and reporting of MGIT DST results (P)	
11:15-12:00	Interpretation and reporting of MGIT DST results (P)	
12:00-12:45	Interpretation and reporting of MGIT DST results (P)	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	Interpretation and reporting of MGIT DST results (P)	
14:30-15:15		
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	Interpretation and reporting of MGIT DST results (P)	
	<b>DAY 8</b>	
9:00-10:45	Staff meeting	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:00	Interpretation and reporting of MGIT DST results (P)	
12:00-12:45	Interpretation and reporting of MGIT DST results (P)	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45-14:30	Trouble shooting MGIT DST- (T)	
14:30-15:15	Trouble shooting MGIT DST- (T)	
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	Trouble shooting MGIT DST- (T)	

	<b>DAY 9</b>	
9:00-9:15	Recap of Day 8	
9:15-10:00	Troubleshooting of MGIT DST results (P)	
10:00-10:45	Troubleshooting of MGIT DST results (P)	
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:00	Troubleshooting of MGIT DST results (P)	
12:00-12:45	Troubleshooting of MGIT DST results (P)	
<b>12:45-13:45</b>	<b>LUNCH</b>	
13:45- 14:30	Troubleshooting of MGIT DST results (P)	
14:30-15:15		
<b>15:15-15:30</b>	<b>BREAK</b>	
15:30-16:15	Troubleshooting of MGIT DST results (P)	
	<b>Day 10</b>	
9:00-9:15	Recap of Day 9	
9:15-10:00 10:00-10:45	Discussion of relevant modules	All Facilitators
<b>10:45-11:15</b>	<b>BREAKFAST</b>	
11:15-12:15	Post-test	
12:15-12:45	Closing remarks and award of certificates	
<b>12:45-13:45</b>	<b>LUNCH</b>	
<b>13:45-16:45</b>	<b>DEPARTURE</b>	

## Descriptions

T-theory sessions, MGIT DST- drug susceptibility testing, P- practical sessions, D- discussions, E- exercises

Approved by:

Technical supervisor.....

Date.....