**Laboratory**

Removing MGIT positives, AFB smears and identification

Removing Positive MGITs

1. Open the drawer on which the positive indicator light is lit, the <remove positive tubes>remove positivessoft key appears in the soft key definition area of the screen.
2. Press the <remove positive tubes> soft key. All the positive tubes illuminate with flashing red indicator lights.
3. Remove 5 positive tubes one at a time, scanning each MGIT barcode on tube before removing the next positive tube.
4. Normally, when positive tubes are removed, the instrument beeps three times, the barcode scanner turns off, and the “ok” icon appears in the main body of the display.
5. However, for this exercise only, when 5 tubes are removed, close the drawer and proceed directly to printing an unloaded positive report.
6. From the status screen, press the <print reports> soft key.
7. The report selection screen appears.
8. Press the soft key that corresponds to the <Unloaded Positive Tubes>. remove positives
9. Ensure that all tubes listed on the report correspond to the tubes removed.
10. Record lab serial number next to MGIT barcode number if an identifying barcode was not placed on tube and scanned in originally.
11. Write date positive on each MGIT tube

Preparing AFB Smears

1. 5 new glass slides on the table work surface
2. Clean slides with 70% alcohol
3. Label each slide with:
   1. Specimen ID number
   2. Source (MGIT)
   3. Date
   4. Initials
4. Don PPE (N-95 respirator, gown, gloves)
5. Set up workspace in the Biosafety Cabinet (BSC) as shown below
   1. Benchliner soaked with disinfectant (prepared daily)
   2. Sterile transfer pipettes
   3. Pipette discard with disinfectant
   4. Labeled slides
   5. Rack with positive MGITs
6. **Do not shake, vortex or invert the positive MGIT tubes**
7. Uncap the first tube using the pinky method, slowly draw up a small amount of broth from the very bottom of the tube with a transfer pipette. Do not pick up all bacterial growth – need organisms for ID and DST
8. Carefully remove the transfer pipette from the MGIT tube.
   1. Come straight out of the tube
   2. Avoid flicking the end of the pipette against the lip of the MGIT tube, as this creates aerosols.
9. Express 1 drop on the appropriately labeled glass slide.
   1. Hold the pipette close to the slide so drop does not fall and splash.
   2. Never express all the liquid from the tip of the pipette
10. Carefully spread the drop in a 1 x 2 cm oval.
11. Carefully discard pipette into pipette discard with disinfectant
12. Allow smear to dry completely in the BSC.
13. Disinfect the workspace with freshly prepared disinfectant

