# Test Order

*Mycobacterium tuberculosis* Complex Drug Susceptibility Testing, Second Line (Referred Testing to MDL-CDPH)

## Synonym(s)
Antimycobacterial susceptibility testing to aid in the treatment of patients with tuberculosis (2nd line drugs).

## Methodology
The BACTEC MGIT 960 is used as a rapid qualitative procedure for susceptibility testing of *M. tb*. complex from culture. Drugs tested are amikacin 1.5 μg/mL, moxifloxacin 0.25 μg/mL, capreomycin 3 μg/mL, ethionamide 5 μg/mL.

## Acceptable Specimen Type(s) for Testing
Pure culture isolates of *M. tb*. complex from any specimen type/source.

## Transport / Collection Medium
Pure cultures on Lowenstein-Jensen Slants, BACTEC MGIT Liquid Medium, Middlebrook 7H9 Broth.

## Storage and Preservation of Specimen
Freshly grown culture of *M. tb*. complex: no more than 14 days from inoculation for solid culture and no more than 5 days from inoculation for BACTEC MGIT liquid media. Keep culture at ambient temperature to preserve if over the recommended age of culture.

## Minimum Volume Required
4 mL of BBL Middlebrook 7H9 or MGIT medium, or solid culture.

## Additional Collection Instructions
Fresh, pure growth of *M. tb*. complex is required for this test. Identification of *M. tb*. complex must be confirmed before testing.

## Additional Required Information
Collection date and specimen source required. Indicate first line drug susceptibility results and patient history. Prior approval with the Microbial Diseases Laboratory (MDL) required.

## Send Out?
Yes

## Turnaround Time
7-14 days

## Testing Restrictions

## Requisition Form(s)

## Limitations / Notes / Disclaimers
Results may be unobtainable due to cultures mixed with Non-tuberculous Mycobacteria.

Updated 2/10/2017