

Specifications for Rapid *M. Tuberculosis* complex drug susceptibility testing system.

Rapid Drug susceptibility panel testing system compatible with the Bactec MGIT 960 system using liquid media.

Must be FDA approved.

Must offer full range of susceptibility testing at the critical concentrations for these drugs: Streptomycin, Isoniazid, Rifampin, Ethambutol, Pyrazinamide.

Must be able to test final drug concentrations at:

Streptomycin at 1.0 ug/ml and 4.0 ug/ml

Isoniazid at 0.1 ug/ml and 0.4 ug/ml.

Rifampin at 1.0 ug/ml.

Ethambutol at 5 ug/ml.

Must have the ability to test Pyrazinamide at 100 ug/ml final drug concentration.

Must have continuous instrument monitoring 24 hours, 7 days a week.

Must have barcoded rack sets to order as needed

Must have rapid results interpretation once control is positive, i.e., 4-13 days for the streptomycin, isoniazid, rifampin, and ethambutol; and 4-21 days for pyrazinamide.

Must provide automated interpretation of the results as sensitive or resistant.

Susceptibility tubes must have screw caps for safety.

Must have plastic susceptibility testing tubes for safety.

System must utilize no sharps for safety.

Reagent supplies are to be ordered on 'as needed' basis.