

Name : Ms. SARINDRI DEVI 196756
 Lab No. : 176265275
 Ref By : DR PUNEET GUPTA
 Collected : 31/10/2023 7:12:00PM
 A/c Status : P
 Collected at : YATHARTH SUPER SPECIALITY HOSPITAL
 HO-01, SECTOR-01, GREATER NOIDA WEST
 NOIDA

Age : 67 Years
 Gender : Female
 Reported : 13/12/2023 11:03:29AM
 Report Status : Final
 Processed at : LPL-NATIONAL REFERENCE LAB
 National Reference laboratory, Block E,
 Sector 18, Rohini, New Delhi -110085



Test Report

Test Name	Results	Units	Bio. Ref. Interval
GENEXPERT ULTRA (NEXT GENERATION) MTB WITH RIFAMPICIN RESISTANCE, SEMI QUANTITATIVE (Real Time Nested PCR & Melt Peak Detection)			
Type of Specimen	EBUS		
Mycobacterium tuberculosis complex	Not Detected		

Interpretation

RESULT	REMARKS
Mycobacterium tuberculosis complex (MTB) DETECTED High/Medium/Low/Very Low; Rifampicin Resistance DETECTED	MTB target is present within the sample ; considered positive for use in clinical decision A mutation in the rpoB gene target sequence has been detected implicating resistance to Rifampicin
Mycobacterium tuberculosis complex (MTB) DETECTED High/Low / Medium/Low/Very Rifampicin Resistance NOT DETECTED	MTB target is present within the sample ; considered positive for use in clinical decision No mutation in the rpoB gene target sequence has been detected
Mycobacterium tuberculosis complex (MTB) NOT DETECTED	MTB target is not detected within the sample; considered negative for use in clinical decision
Mycobacterium tuberculosis complex (MTB) DETECTED High/Medium/Low/Very Low Rifampicin Resistance INDETERMINATE	MTB target is present within the sample ; considered positive for use in clinical decision Rifampicin resistance could not be determined due to invalid melt peaks. Indeterminate result of Rifampicin resistance should be subjected to culture based drug sensitivity testing.
Mycobacterium tuberculosis complex (MTB) DETECTED Trace	Low levels of MTB are detected but Rifampicin resistance could not be determined due to insufficient signal detection because of too low concentration of bacilli. This occurs due to the increased sensitivity of TB detection using multi-copy targets IS6110 and IS1081 as opposed to Rifampicin resistance detection using the single copy rpoB gene. Trace positive result of MTB is true positive and is sufficient to initiate treatment in those with known or suspected HIV infection, children and for extra pulmonary samples.

