

Patient NAME		Report STATUS	
DOB/Age/Gender		Barcode NO	
Patient ID / UHID		Sample Type	
Referred BY		Report Date	
Sample Collected			



Test Description	Value(s)	Unit(s)	Reference Range
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MDR TB- BD MAX

Nature of Specimen	SPUTUM		
Mycobacterium tuberculosis complex (MTBC)	Detected		Not Detected
Rifampicin Resistance	Not detected		Not detected
Isoniazid resistance	Not detected		Not detected
Kat G 315 Mutation	Not detected		Not detected
Inh A promoter Mutation	Not detected		Not detected

NIKSHAY ID-251374489

Interpretation:
Test Method: Moderately Complex NAAT

INTERPRETATION

- If result is MTB not detected :This indicates no tuberculosis (MTB),However ,if the clinical picture is strongly suggestive of MTB,a repeat test can suggested.
- If result is MTB detected , Rifampicin and Isoniazid resistance not detected:This indicates tuberculosis that can be treated with first line drugs.
- If result is MTB detected ,and Rifampicin resistance not detected and Isoniazid resistance detected This indicates tuberculosis that can not be treated with only first line drugs and it as a case of Isoniazid monoresistant.
- (a)Inh A mutation detection is low level INH resistance which means high dose INH may still be effective while katG mutation detection means high level resistance and isoniazid is completely ineffective.
- If Resistance to both Rifampicin and Isoniazid none of the drugs is effective

COMMENTS

- it is a Moderately complex automated NAAT for detection of MTB complex DNA with Rifampicin & Isoniazid Resistance.
- Result Should be interpreted in conjunction with other laboratory tests and clinically correlated.
- Reliable results are dependent on proper specimen collection.adequate amount & storage.
- A positive test result does not necessarily indicate the presence of viable oraganism.
- Test results might be affected by antecedent or concurrent:ATD therapy.
- Mutation in probe binding site may affect detection of new or unknown MDR-MTB strains.
- Resistance can exist in spite of wild type pattern in the genotype test due to partial resistance development,rare mutations or mixed bacterial contamination.
- Resistance may not be genotypically expressed due to presence of silent mutations.In such cases,phenotypic resistance determination needs to de consider.

WHO (2021) approved BD Max as one of the moderately complex automated molecular method for detection of MTBC in clinical specimen.

Govt of India will transfer funds directly to the patients account for nutritional support for which patient is requested to submit a copy of Aadhar and mobile number. treating doctor would also get token of appreciation for reporting the case and at completion of treatment.

Laboratory will enter patients details in Nikshay portal

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*** End Of Report ***

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