

Name	: DUMMY	Collected	: 8/2/2017 12:00:00AM
Lab No.	: 134315656	Received	: 8/2/2017 4:47:35PM
Age:	Unknown	Reported	: 9/2/2017 10:13:09AM
Gender:	Unknown	Report Status	: Final
A/c Status	: P	Ref By	: Unknown

Test Name	Results	Units	Bio. Ref. Interval
GENEXPERT.COM (GENEXPERT + AFB CULTURE)			
GeneXpert MTB WITH RIFAMPICIN RESISTANCE, QUALITATIVE (Real Time PCR)			
Type of Specimen	Sputum		
Mycobacterium tuberculosis complex	Detected medium		
Rifampicin resistance	Detected		

Interpretation

MYCOBACTERIUM TUBERCULOSIS (MTB)	RIFAMPICIN RESISTANCE	REMARKS
Detected	Detected	Target DNA detected resistant to Rifampicin
Not Detected	Not Detected	Target DNA not detected
Detected	Not Detected	Target DNA detected sensitive to Rifampicin
Detected	Indeterminate	Target DNA concentration very low to determine Rifampicin resistance
Indeterminate	Indeterminate	Target DNA could not be detected may be due to presence of inhibitors

MTB RESULT	Ct RANGE
High	<16
Medium	16-22
Low	22-28
Very Low	>28

Note

1. A positive result does not necessarily indicate presence of viable organisms. However it indicates a presumptive presence of MTB.
2. A negative result does not preclude Mycobacterium Tuberculosis infection because results depend on



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Test Name	Results	Units	Bio. Ref. Interval
	adequate specimen collection, absence of inhibitors, and sufficient DNA to be detected.		
3.	Results may be affected by antecedent or concurrent antibiotic therapy. Hence therapeutic success or failure cannot be assessed by this test as DNA might persist following antimicrobial therapy.		

Comments

Mycobacterium tuberculosis complex (*M. tuberculosis*, *M.bovis*, *M.microti* & *M.africanum*) are the only Mycobacteria that are transmitted from person to person and therefore are of public health importance. These infections are usually treated by 4 common first line drugs - Rifampicin, Ethambutol, Pyrazinamide & Isoniazid. As documented by WHO Rifampicin resistance is rarely encountered by itself and usually indicates resistance to a number of other anti-tubercular drugs. Resistance to Rifampicin or other first-line drugs usually indicates the need for full susceptibility testing, including testing against second-line agents.



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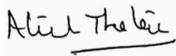
Test Name	Results	Units	Bio. Ref. Interval
CULTURE, AFB (MYCOBACTERIUM), RAPID (Automated Fluorescent, ICT,MALDITOF-MS) Type of Specimen : ..			

No Acid Fast Bacilli grown after 2 weeks incubation.

No Acid Fast Bacilli grown after 4 weeks incubation.

Final Report : No Acid Fast Bacilli grown after 6 weeks incubation.

- NOTE:
1. All positive results are confirmed by acid fast smear examination.
 2. Para NitroBenzoic Acid (PNB) test and Rapid TB Ag MPT64 test are available for differentiating between Mycobacterium tuberculosis complex and Mycobacterium other than tuberculosis (MOTT).
 3. Recovery of Mycobacteria is dependent on the number of organisms present in the specimen, sample collection technique, clinical symptoms & treatment and Mycobacteria species.



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HOD Micro & Clinical Path

-----End of report -----

