

IPD No.	: IPD/05/22/226113	Semi Private Twin Sharing - 308 BED 1
Req. No.	: 21994	Received Date : 01/06/2022 01:18 PM
Patient Name	: RASKAR BHAGIRATHI SUBHASH	Reported Date : 02/06/2022 05:46 PM
Consulting Dr.	: DR. CHAUDHARI VISHAL N	Printed Date : 07/10/2023 11:44 PM
Age/Sex	: 63 Years/ F	

PARAMETER NAME	RESULT VALUE	UNIT	REFERENCE RANGE
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Gene Expert (XPRTMTB - RIF)

SPECIMEN	:	Tissue
MYCOBACTERIUM TUBERCULOSIS	:	Mycobacterium tuberculosis complex Not Detected
RIFAMPICIN RESISTANCE	:	Not Detected.
Method	:	Nested Real time PCR using GeneXpert platform.

* Outsourced sample. H.A.D.Pune R. No. 221520148.

Note
The Xpert MTB/Rif assay is a qualitative nested real time polymerase chain reaction for detection of Mycobacterium tuberculosis complex and rifampicin resistance associated mutations of the rpoB gene. The primers amplify 81 bp of the rpoB gene and the probes are designed to differentiate between conserved wild type sequence and mutations in the core region that is associated with rifampicin resistance. Resistance to rifampicin is surrogate marker for multi drug resistant Mycobacterium tuberculosis, as 90% rifampicin resistant M.tuberculosis strains are also isoniazid resistant.

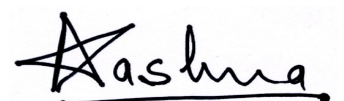
Interpretation of Results-

MTB Detected result is reported as High, Medium, Low or Very Low depending on the Ct (Threshold cycle) value of the MTB target present in the sample.

MTB result	Ct range
High	<16
Medium	16-22
Low	22-28
Very Low	>28

- Rif Resistance DETECTED; a mutation in the rpoB gene has been detected.
- Rif Resistance INDETERMINATE; the MTB concentration was very low and resistance could not be determined.
- Rif Resistance NOT DETECTED; no mutation in the rpoB gene has been detected.

xxxx END OF REPORT xxxx



Approved By : SANDEEP MEMANE

Authorized By : DR. YADAV AASHNA M

Consultant Pathologist
MBBS,DNB(PATHOLOGY)
Reg. No. : 2015-07-4169

Note: Interpretation of Lab Results may vary in the light of clinical data. Kindly correlate clinically & communicate your queries if any.
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