

S86 - F.PSC TRAUMA CENTRE

(Hony) Brig. Dr. Arvind Lal
M.B.B.S., D.C.P.
Padmashree
FMR HONORARY PHYSICIAN TO THE PRESIDENT OF INDIA

Vandana Lal
Dr. Vandana Lal
M.D (PATH), IFCAP
Chief of Pathology
SHRIRAMANI AWARD WINNER

Name	: Mr. KAUSHIK DUBEY	Collected	: 4/6/2017 12:23:00AM
Lab No.	: 241947755	Received	: 4/6/2017 1:09:54AM
Age	: 13 Years	Reported	: 6/6/2017 5:28:16PM
Gender	: Male	Report Status	: Final
A/c Status	: P		
Ref By	: trauma centre		

Test Name	Results	Units	Bio. Ref. Interval
MYCOBACTERIUM TUBERCULOSIS, PCR; MYCOSURE @ (Real Time PCR)			
Type of Sample	SYNOVIAL FLUID		
Mycobacterium tuberculosis Complex	Not Detected		
Non tuberculous Mycobacteria	Not Detected		

Interpretation

RESULT	COMMENTS
Mycobacterium tuberculosis complex - Detected	Infection likely with any of the following species - <i>M. tuberculosis</i> , <i>M. bovis</i> , <i>M. microti</i> & <i>M. africanum</i>
Non tuberculous Mycobacteria - Detected	Infection likely with Mycobacterium other than tuberculosis complex
Inhibition Detected	Inhibitors detected in the sample provided Repeat sample is recommended
Mycobacterium tuberculosis complex & non tuberculosis Mycobacteria - Not detected	Mycobacteria not detected in the sample provided

Note

1. This test includes 3 targets of which 2 are for Mycobacterium tuberculosis complex (IS6110 & MPB64) and 1 target for Mycobacterium genus (16sRNA)
2. This is an in-house developed Real time PCR assay for Qualitative detection
3. Limit of detection of the assay is 1-10 Mycobacteria per PCR
4. This test does not differentiate between the Mycobacteria species
5. Mycobacterium culture is recommended in case inhibition is detected

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. Non tuberculous Mycobacteria most commonly encountered are *M. avium* complex & *M. kansasii* which causes Pulmonary disease; *M. abscessus*, *M. chelonae* , *M. marinum* & *M. fortuitum* which cause skin and soft tissue infections. Many of the non tuberculous Mycobacteria are environmental contaminants. Nucleic acid amplification tests provide direct detection of various Mycobacteria.



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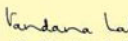
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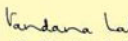
Test Name	Results	Units	Bio. Ref. Interval
AFB STAIN, MISCELLANEOUS			
Type of Specimen : SYNOVIAL FLUID			

STAIN	RESULT	GRADE
Ziehl Neelsen	No acid fast bacilli seen	



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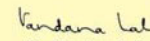
Test Name	Results	Units	Bio. Ref. Interval
CULTURE AEROBIC, MISCELLANEOUS (Conventional culture and Automated sensitivity) Type of Specimen : SYNOVIAL FLUID			

Result :- No Aerobic pyogenic organism grown after 48 hrs incubation at 37°C



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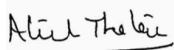
Test Name	Results	Units	Bio. Ref. Interval
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GRAM STAIN

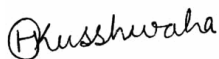
Type of Specimen : SYNOVIAL FLUID

PARAMETERS	RESULT	GRADE
Epithelial cells / hpf	Nil	
Polymorphonuclear cells (PMN) / hpf	20-25	
Gram Positive Bacteria / opf	Nil	
Gram Negative Bacteria / opf	Nil	
Pleomorphic Bacteria / opf	Nil	
Yeast cells / opf	Nil	
Others	Nil	

Impression : No Micro-organism seen.



Dr. Atul Thatai
PhD (Biotechnology)
HOD Molecular Diagnostics



Dr. Harshul Kushwaha
MBBS, DNB (PATH)
Consultant Pathologist



DR. Mohan Lal Gupta
MD Microbiology
Consultant Microbiologist



Dr. Navneet Prasad
MBBS, MD
Chief of Lab

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

