

**REPORT**

Name	: Mr. S R SATHYA NANDAM	Sample ID	: A0093466
Age/Gender	: 77 Years/Male	Reg. No	: 0312402250003
Referred by	: Dr. SENTHIL J RAJAPPA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 25-Feb-2024 07:48 AM
Primary Sample	:	Received On	: 25-Feb-2024 02:40 PM
Sample Tested In	: Sputum	Reported On	: 27-Feb-2024 11:45 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**MICROBIOLOGY**

**Gram Stain - Sputum**

Nature Of Sample

Sputum

Microscopic Examination

Smear shows no inflammatory cells few pus cells no microorganisms seen.

*Method : Gram Stain & Microscopic Examination*

\*\*\* End Of Report \*\*\*



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MD, MICROBIOLOGIST

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**MICROBIOLOGY**

**Culture, Aerobic, Sputum**

Nature Of Sample : Sputum  
Culture Comment : No pathogenic growth seen at the end of 48 hours of aerobic incubation.

Method : Aerobic Culture ABST; Disc Diffusion Method

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Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 25-Feb-2024 07:48 AM
Primary Sample	:	Received On	: 25-Feb-2024 02:40 PM
Sample Tested In	: Sputum	Reported On	: 26-Feb-2024 07:41 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**MOLECULAR BIOLOGY**

<b>Test Name</b>	<b>GeneXpert MTB WITH RIFAMPICIN RESISTANCE, QUALITATIVE @ (Real Time PCR)</b>
<b>Type of Specimen</b>	Sputum
<b>Mycobacterium tuberculosis complex</b>	Not Detected
<b>Rifampicin resistance</b>	Not Detected

**Interpretation:**

MYCOBACTERIUM TUBERCULOSIS	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

**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 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.

Not Detected

\*\*\* End Of Report \*\*\*




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Correlate Clinically.