

**REPORT**

Name	: Mr. M RAJESH	Sample ID	: A0013072
Age/Gender	: 18 Years/Male	Reg. No	: 0312401250004
Referred by	: Dr. SRIKANTH MUNNA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 25-Jan-2024 08:28 AM
Primary Sample	:	Received On	: 25-Jan-2024 10:30 AM
Sample Tested In	: Urine	Reported On	: 27-Jan-2024 11:48 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**MICROBIOLOGY**

**AFB Stain (ZN Stain)-Urine**

Nature Of Sample : Urine  
Microscopic Examination : Acid Fast Bacilli not seen

*Method : ZN Stain & Microscopic Examination*

**Culture and Sensitivity, Urine**

Culture Comment : No bacterial growth seen at the end of 48 hours of aerobic incubation.

**ABST As per CLSI Guidelines.**

*Method : Aerobic Culture ABST; Disc Diffusion Method*



**DR. RUTURAJ MANIKLAL KOLHAPURE**  
MD, MICROBIOLOGIST

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Primary Sample	:	Received On	: 25-Jan-2024 10:30 AM
Sample Tested In	: Urine	Reported On	: 26-Jan-2024 08:43 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>	Urine
<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.



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Primary Sample	:	Received On	: 25-Jan-2024 10:30 AM
Sample Tested In	: Urine	Reported On	: 25-Jan-2024 02:03 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**CLINICAL PATHOLOGY**

Test Name	Results	Units	Ref. Range	Method
<b>Complete Urine Analysis (CUE)</b>				
<b>Physical Examination</b>				
Colour	Pale Yellow		Straw to light amber	
Appearance	Clear		Clear	
<b>Chemical Examination</b>				
Glucose	Negative		Negative	Strip Reflectance
Protein	Absent		Negative	Strip Reflectance
Bilirubin (Bile)	Negative		Negative	Strip Reflectance
Urobilinogen	Negative		Negative	Ehrlichs reagent
Ketone Bodies	Negative		Negative	Strip Reflectance
Specific Gravity	1.010		1.000 - 1.030	Strip Reflectance
Blood	Negative		Negative	Strip Reflectance
Reaction (pH)	6.5		5.0 - 8.5	Reagent Strip Reflectance
Nitrites	Negative		Negative	Strip Reflectance
Leukocyte esterase	Negative		Negative	Reagent Strip Reflectance
<b>Microscopic Examination (Microscopy)</b>				
PUS(WBC) Cells	02-02	/hpf	00-05	Microscopy
R.B.C.	Nil	/hpf	Nil	Microscopic
Epithelial Cells	01-02	/hpf	00-05	Microscopic
Casts	Absent		Absent	Microscopic
Crystals	Absent		Absent	Microscopic
Bacteria	Nil		Nil	
Budding Yeast Cells	Nil		Absent	Microscopy

**Comments** :Urine analysis is one of the most useful laboratory tests as it identifies a wide range of medical conditions including renal damage, urinary tract infections,diabetes, hypertension and drug toxicity.

Correlate Clinically.

Laboratory is NABL Accredited

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



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