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Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.
ICMR Reg .No. SAPALAPVLHT (Covid -19)

LABORATORY TEST REPORT

Name	: Mrs. SEEMA HEDAO		
Sample ID	: A1075830		
Age/Gender	: 47 Years/Female	Reg. No	: 0372409090171
Referred by	: Dr. SELF	SPP Code	: SPL-NP-082
Referring Customer	: CARE HOSPITAL	Collected On	: 09-Sep-2024 07:00 PM
Primary Sample	: Whole Blood	Received On	: 10-Sep-2024 12:31 PM
Sample Tested In	: Lithium Heparin	Reported On	: 12-Sep-2024 06:59 PM
Client Address	:	Report Status	: Final Report

IMMUNOLOGY & SEROLOGY

Test Name	Results	Units	Biological Reference Interval
QuantiFeron TB Gold (Interferon Gamma Release Assay			
Gamma Interferon Nil Tube	0.30		
Gamma Interferon Antigen	2.46		
TB IGRA (IFN-y) Levels *(Method: ELISA)*	**2.16**	IU/mL	Negative: < 0.35 Positive: >= 0.35
TB IGRA (IFN-y) Results *(Method: ELISA)*	Positive		

Interpretation : .

Nil (pg/mL)	TB Antigen minus Nil (pg/mL)	Results	Report/ Interpretation
=< 8.0	>= 0.35 and >=25 % N	Positive	M. tuberculosis infection likely
	< 0.35	Negative	M. tuberculosis infection not likely
	>= 0.35 and <=25 % N	Negative	M. tuberculosis infection not likely
> 8.0	Any Value	Indeterminate	Results are indeterminate for Antigen responsiveness

- A Negative QFT result does not preclude the possibility of M.tuberculosis infection or tuberculosis disease.False negative can be due to stage of infection (e.g ., specimen obtained prior to the development of celluar immune responces).
- A Positve QFT should not be the sole or definitaive basis for detrmining with M.tuberculosis.A Positive result should be followed by further medical evaluation and diagnostic evaluation for active tuberculosis dusease (such as chest radiograph) are needed to exclude TB disease and confirm the diagnosis of LTBI.

This Test has been Performed on QuantiFeron-TB Gold (QFT) ELISA test kit (FDA Approved)

Comments:
QuantiFeron TB Gold (Interferon Gamma Releasing Assay) test is whole blood test for detection of infection to *Mycobacterium tuberculosis* as occurs in active tuberculosis and latent tuberculosis infection (LTBI).If not detected and treated, LTBI may later develop into TB disease. This test measures the patient's immune reactivity to *M. tuberculosis*, the bacterium that causes TB. Blood samples are mixed with TB specific antigens and incubated for 20 to 24 hours. The antigens include ESAT-6 and CFP-10, proteins specific to tuberculosis complex. These antigens are not found in BCG strains or atypical Mycobacteria. If the patient is infected with *M. tuberculosis*, the patient's lymphocytes will recognize the antigens and release interferon –gamma in response .

Note: IGRA Test is approved as an in vitro diagnostic aid for detection of *Mycobacterium tuberculosis* infection (active disease and LTBI) and is intended for use in conjunction with risk assessment, radiography and other medical and diagnostic evaluations. The IGRA test does not differentiate between active and latent TB so latent patient will also be picked by IGRA. IGRA cannot be used as standalone test to diagnose TB infection. IGRA test is not established for any prognostic use.

Disclaimer : It cannot differentiate between latent infection and active tuberculosis.

*** End Of Report ***

DR. RUTURAJ MANIKLAL KOLHAPURE
MD, MICROBIOLOGIST