



# CHANDAN DIAGNOSTIC CENTRE

Add: Kamnath Market, Hospital Road, Lakhimpur  
Ph: 9235400943,  
CIN : U85110DL2003PLC308206



Patient Name	: Mr.PIYUSH KANT MISHRA	Registered On	: 17/Mar/2023 17:27:49
Age/Gender	: 23 Y O M O D /M	Collected	: 17/Mar/2023 17:41:46
UHID/MR NO	: CDCL.0000195790	Received	: 18/Mar/2023 11:06:55
Visit ID	: CDCL0455182223	Reported	: 19/Mar/2023 15:50:21
Ref Doctor	: Dr.K G M C MED	Status	: Final Report

## DEPARTMENT OF IMMUNOLOGY

Test Name	Result	Unit	Bio. Ref. Interval	Method
TB PLATINUM / TB INTERFERON **, NA				
Patient Value	7.68	pg/ml	< 14 Negative > 14 Positive	IGRA

### Interpretation:

- 1) Interferon TB Platinum is in vitro diagnostic test using peptide cocktails simulating ESAT-6 & CFP-10 proteins to stimulate cells in heparinised whole blood. Detection of interferon- $\gamma$  is used to identify in vitro response to these peptide antigens that are associated with Mycobacterium tuberculosis infection.
- 2) It is an indirect test for M.tuberculosis infection (including disease) & is intended for use in conjunction with risk assessment, radiotherapy & other medical & diagnostic evaluations.
- 3) A negative result does not preclude the possibility of M.tuberculosis infection or tuberculosis disease: false-negative results can be due to stage of infection (e.g. specimen obtained prior to the development of cellular immune response), co-morbid conditions which affect immune functions or other immunological variables.
- 4) A positive result should not be the sole or definitive basis for determining infection with M.tuberculosis.
- 5) A positive result should be followed by further medical evaluation & diagnostic evaluation for active tuberculosis disease (e.g. AFB smear & culture, chest x-ray)
- 6) While ESAT-6 & CFP-10 are absent from all BCG strains & from most known non-tuberculous mycobacteria, it is possible that a positive INTERFERON – TB Platinum result may be due to infection by M.kansasii, M.szulgai or M.marinum. If such infections are suspected, alternative tests should be investigated.
- 7) Latent tuberculosis infection (LTBI) develop tuberculosis disease months or years later. The main purpose of diagnosing LTBI is to consider medical treatment for preventing tuberculosis disease.
- 8) It is a test for cell Mediated Immune (CMI) responses to peptide antigens that simulate mycobacterial proteins. These proteins, ESAT-6 & CFP-10 are absent from all BCG strains & from most non tuberculosis Mycobacteria with the exception of M.kansasii, M.szulgai & M.marinum. Individuals infected with M.tuberculosis complex organisms usually have lymphocytes in their blood that recognized these & other mycobacterial antigens. This recognition process involves the generation & secretion of the cytokine, IFN- $\gamma$  forms the basis of the test.
- 9) It is both a test for LTBI & a helpful aid for diagnosing M.tuberculosis complex infection in sick patients. A positive results supports the diagnosis of tuberculosis disease: however infections by other Mycobacteria could also lead to positive results. Other medical & diagnostic evaluations are necessary to confirm or exclude tuberculosis disease.

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

(\*\*) Test Performed at Chandan Speciality Lab.



Dr. Mamta Barthwal  
MD(Micro-Biology)

This report is not for medico legal purpose. If clinical correlation is not established, kindly repeat the test at no additional cost within seven days.

Facilities: Pathology, Bedside Sample Collection, Health Check-ups, Digital X-Ray, ECG (Bedside also), Allergy Testing, Test And Health Check-ups, Ultrasonography, Sonomammography, Bone Mineral Density (BMD), Doppler Studies, 2D Echo, CT Scan, MRI, Blood Bank, TMT, EEG, PFT, OPG, Endoscopy, Digital Mammography, Electromyography (EMG), Nerve Condition Velocity (NCV), Audiometry, Brainstem Evoked Response Audiometry (BERA), Colonoscopy, Ambulance Services, Online Booking Facilities for Diagnostics, Online Report Viewing \*

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\*Facilities Available at Select Location



SIN No:53562750

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Home Sample Collection  
1800-419-0002

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