

MAHATMA GANDHI MEDICAL COLLEGE & HOSPITAL

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DEPARTMENT OF MOLECULAR BIOLOGY

Name :- Mr. RAVINISH KUMAR 362030

Gender/Age:- Male 31 Yrs

PatientId :- 10216570

Specimen : NP/OP Swab

Bill Date :- 25/04/2021 02:14:56

Collection Date :- 25/04/2021 04:19:31

Report Date :- 25/04/2021 11:39:50

Refer Lab/Hosp :- Narayana HOSPITAL



COVID-19 (SARS-CoV-2) RT-PCR

TEST NAME

COVID-19 RT-PCR

TEST RESULT

NEGATIVE

TEST METHOD

Real Time Qualitative Polymerase Chain Reaction

Gene (S)

CT-Value (S)

E

RdRp / ORF-1ab

N

INTERPRETATION:

POSITIVE : RNA specific to SARS-COV-2 Detected.(CT -Values< 40)

NEGATIVE : RNA specific to SARS-COV-2 Undetected.

INVALID : Repeat Sample is recommended

NOTE:

1.Covid- 19 RT-PCR is a Real-Time Reverse Transcription Polymerase Chain Reaction (Real-Time RT-PCR) Test for **Qualitative Detection** of RNA for SARS-CoV-2 in Upper and Lower Respiratory Specimens as Nasopharyngeal or Oropharyngeal swabs (NP/OP), Sputum, BAL, ET aspirate etc.

2.**Positive Results** are indicative of presence of SARS-CoV-2 RNA; based on detection of various genes as RdRp, ORF 1a/b, N, S, and E gene etc. Clinical correlation with patient history and other diagnostic information is necessary to determine patient's infection status.

3.**Negative Results** do not rule out the possibility of COVID-19. Hence, should not be used as the sole basis for patient management decision. In such cases; a repeat sample should be sent after 48 to 72 hours.

4.**Invalid Results** may arise due to presence of PCR inhibitors, mutations and insufficient RNA specific to SARS-CoV-2.

5. Kindly consult Referring Clinician(s) for appropriate follow up.

*Covid-19 RT PCR Test is conducted using kits approved by; ICMR / CE-IVD / USFDA.

6. Correlation between CT value & degree of severity is not recommended.

7. ICMR Registration Number For Covid-19 is **CLMGU001**.

Comment:.

SARS-CoV-2 is a severe respiratory syndrome virus from Coronaviridae (CoV) family. Coronavirus disease (COVID-19) is a new strain that was identified for the first time in late 2019 in the Wuhan district. Common signs and symptoms include fever, cough, malaise, sore throat and loss of smell. In more severe cases, it can cause shortness of breath, pneumonia and severe acute respiratory syndrome.

*** End of Report ***



Mamta

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