



# GOVERNMENT MEDICAL COLLEGE, CHANDRAPUR

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## VIRAL RESEARCH & DIAGNOSTIC LABORATORY

(Department of Microbiology)

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SRF ID : 2747300367452

GMCC : 327726

Sample Collection : 12/01/2022 10:11

Name : Mrs. MANJU AMIT GUPTA

Age : 34 Yrs. Sex : M

Sample Received : 12/01/2022 16:51

Ref. By : UPHC-2 RAMNAGAR CHANDRAPUR

ICMR ID : 637211234

Report Released : 12/01/2022 22:21

Sent By : Direct

### SARS-CoV2 (COVID-19) Real Time RT PCR Test

Type of Sample : Nasopharyngeal Swab in Viral Transport Medium  
Method : RT PCR  
ORF1a/ORF1b/N/N2 Gene : Not Detected

Test Description	Result
SARS CoV2 RNA, PCR*	NEGATIVE

#### Test Interpretation:

- A 'Detected' result indicates SARS-CoV-2 RNA is detected from the patient's specimen by this assay.
- A 'Not Detected' result indicates SARS-CoV-2 RNA is not detected from the patient's specimen by this assay.

#### Test Utilization

- For diagnosis of COVID 19 infection.
- For follow-up of COVID 19 positive patients.

#### Test Methodology:

- Kit used: TAQPATH COVID-19 RT-PCR Kit (Applied Biosystems by Thermofisher scientific)
- Genes Tested: N gene, S gene and ORF-1ab gene and ORF-1ab gene.

#### Note:

- This assay helps screen the UK variant of SARS CoV 2 by targeting the spike protein gene, 'S' gene, which has undergone major mutations resulting in increased infectivity and spread.
- Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions.
- The report represents only the specimen received in laboratory. Kindly correlate clinically.
- The COVID-19 RT-PCR test is a real time reverse transcription polymerase chain reaction (rRT-PCR) test for the qualitative detection of nucleic acid from SARS-CoV-2 in upper and lower respiratory specimens. The kit used is validated for emergency use for respiratory samples by CDC.
- ICMR has recommended not to rely on numerical Ct values for determining infectiousness of COVID-19 patients and deciding patient management protocols citing the following explanations.

#### References:

- <https://www.mohfw.gov.in/pdf/SOPforSurveillanceandresponseforthenewSARSCov2variant.pdf>
- <https://www.icmr.gov.in/ctechdocad.html>. Advisory\_on\_correlation\_of\_COVID\_severity\_with\_Ct\_values.pdf

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\*Reports are electronically generated and approved, hence no sign is required

\*\*Sample has been collected outside the laboratory. The results pertain to the sample received.