

Name : NAMRATA PRIYADARSHINI

Ref. By : Self

Client Name : MAKWIN MEDITECH

Visit ID : TH28548

Age : 25 Yrs. Sex : F

Client Code : IC01157

Sample Collection : 05/09/2021 15:28

Sample Received : 05/09/2021 01:30

Report Released : 06/09/2021 08:24

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

ICMR Registration No: **INFN001****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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