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Reg.Date	: 30/05/2021 23:41	Ref.No	: 3121035547

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

Method: Real Time PCR (Qualitative)

ICMR Reg.No : GCGLPA

Specimen Type: Nasopharyngeal & Oropharyngeal Swab

Conclusion **COVID NEGATIVE**

Comments :

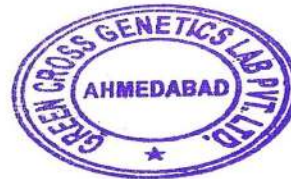
This molecular test uses Real time reverse transcriptase polymerase chain reaction (RT-PCR) technology based on nucleic acid amplification assay for qualitative detection of RNA of Novel Coronavirus(COVID-19) from Throat and/or Nasopharyngeal swab, BAL Fluid & sputum samples. The assay includes an internal control with every sample to check for PCR inhibition.

Notes :

Lower the Ct value (more viral load) higher the risk.

- According ICMR guidelines, It is not recommended to rely on numerical Ct values for determining infectiousness of COVID-19 patients. Results must be interpreted in conjunction with other clinical and/or laboratory findings.
- According to reports, Ct value above 33 is not contagious.
- Negative result does not rule out the possibility of COVID-19 infection. Improper sample collection technique, sample collects too early or too late in the course of infection, poor quality of specimen, containing inadequate patient material, presence of inhibitors in sample, mutations at primer or probe binding sites or insufficient RNA in patient sample can influence the results.
- False-positive result may be occurred due to cross-contamination from lab environment.
- Repeat sample collection and testing of lower respiratory specimen is advised in case of negative result if clinically indicated.
- Categories of viral load based on Ct value detected by RT-PCR,

1. Value between 16 to 23 - High viral load
2. Value between 24 to 31 - Moderate viral load
3. Value above 31 – Low viral load
4. Value above 35 – Taken as Negative



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