

Patient Name: MR. HARSHISH SINGH BEDI

19 years /M UHID: KH1000082166

Doctor: External

Speciality: General Service | Diagnostics Clinics

Test date: 27 Mar 2021

Department of Laboratory Medicine: Inf Molecular Biology

SARS CoV-2 (COVID-19) by PCR

COMMENT

Specimen	Nasopharyngeal swab
SARS CoV-2 RNA	DETECTED
Cycle threshold (Ct) value	22
Method	Real-Time Reverse-Transcriptase Polymerase Chain Reaction (rRT-PCR)
Instrument	Rotorgene Q (5 plex) , Qiagen

• Remarks:


- 1) SARS CoV-2 virus, also known as, 2019-nCoV is the causative agent of COVID-19 disease.
- 2) A Detected result indicates the presence of SARS CoV-2 RNA in the clinical specimen. A Not Detected result indicates the absence of SARS CoV-2 RNA in the clinical specimen.
- 3) The assay targets E gene (B-βCoV specific) / S gene / N gene / ORF1ab (SARS CoV-2 specific) . Amplification of only one of the two target genes may be due to low viral load levels, close to the limit of detection (LOD) of the test, or due to a mutation in one of the two target sequences.
- 4) Negative results could occur due to very low viral load or clearance of SARS CoV-2 virus. A negative result, particularly from an upper respiratory specimen, does not exclude infection.
- 5) A positive alternate pathogen, does not necessarily rule out COVID-19, as little is known about the rate of co-infections. All the results should always be correlated with clinical status and history of the patient.
- 6) This is a qualitative test and results are not indicative of the viral load in the tested specimen. Variability in host or virus specific factors, specimen collection technique, specimen transport & storage, etc., can lead to variation in the Ct value. Hence, Ct values should not be considered an absolute indicator of viral load.

Limitations: PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen and inherent PCR inhibitors in the sample.

** Kokilaben Hospital Laboratory, Andheri (West) , Mumbai is permitted to conduct laboratory diagnosis of COVID-19 (SARS CoV-2) [ICMR ID: KOKIL001]

Lab no 3237

***** END OF REPORT *****



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