

REPORT

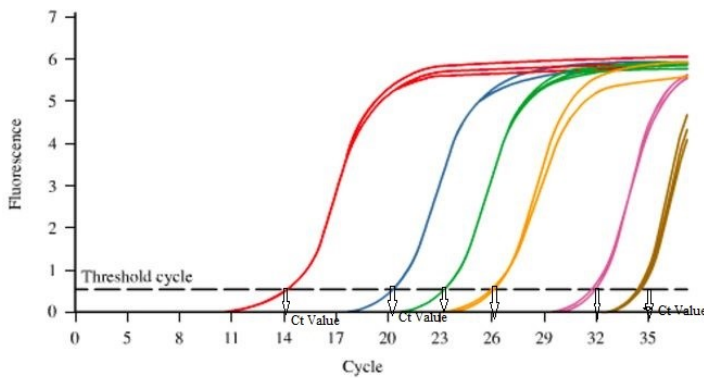
Name	: Mr. UMMED RAJ JAIN	Sample ID	: A0012527
Age/Gender	: 53 Years 10 Months 16 Days/Male	Reg. No	: 0312312300040
Referred by	: Dr. SELF	SPP Code	: SPL-STS-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS-COVID 19	Collected On	: 30-Dec-2023 01:58 PM
Primary Sample	: Nasopharyngeal and Oropharyngeal swabs	Received On	: 30-Dec-2023 04:17 PM
Sample Tested In	: Viral Transport Medium	Reported On	: 30-Dec-2023 08:13 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

MOLECULAR BIOLOGY

Test Name	Results	Units	Ref. Range	Method
SARS-CoV-2 Qualitative RT PCR				
N Gene Ct Value	20.00	NA	-	RT PCR
ORF Gene Ct Value	18.00	NA	-	RT PCR
SARS-CoV-2 (COVID-19) Result	Positive	NA		Real Time PCR

Ct Value	Result
Negative	Negative results indicate the absence of SARS -CoV-2 in the specimen
Cts<=24	Strong positive reactions indicative of abundant target Viral RNA
Cts of 25 to 31	Positive reactions indicative of moderate amounts of Viral RNA
Cts >=31	Weak reactions indicative of minimal amounts of target nucleic acid (Viral RNA) which could present an infection state

What is the threshold cycle or Ct value?:In a real time PCR assay a positive reaction is detected by accumulation of a fluorescent signal. The Ct (cycle threshold) is defined as the number of cycles required for the fluorescent signal to cross the threshold (ie exceeds background level). Ct levels are inversely proportional to the amount of target nucleic acid in the sample (ie the lower the Ct level the greater the amount of target nucleic acid in the sample).



Ct Values differ from kit to kit, lab to lab, Collection Process and transportaion conditions and other factors.

- COVID-19 detection requires identifying 3 genes; however 2 genes sepcific to SARS-CoV 2 (COVID-19) are sufficient for a positive detection.
- N-gene or E gene is for the detection of Sarbecovirus (Genus B-betacoronavirus) as a first line test. RdRp gene or ORF1ab gene are for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and are the confirmatory tests.

Limitations of the Test: Performance of 2019-nCoV Real-Time RT-PCR Diagnostic Panel has only been established in upper and lower respiratory specimens (nasopharyngeal or oropharyngeal swabs, sputum, lower respiratory tract aspirates, bronchoalveolar lavage, and nasopharyngeal wash/aspirate or nasal aspirate).

Correlate Clinically.

Laboratory is NABL Accredited

*** End Of Report ***



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