



LABORATORY TEST REPORT

Regn Date : 29/01/2022 18:55

Sample Collection : 29/01/2022 18:53



Name : MR. ARUN PAUL

Print Date : 30/01/2022 10:24

Regn No : 44226615

Age / Sex : 21 Years / Male

Ref By : SELF

Regn Centre : Alwal - 44

Sample Type : Swab

Ref no. : S128437090223

SARS-CoV-2 (3 GENE) - QUALITATIVE REAL TIME PCR

TEST NAME**RESULT****SARS-CoV-2**

: RdRp/ N gene Positive

S gene

: Not Detected

N gene

: Not Detected

RdRp gene

: Not Detected

Method: Real Time RT-PCR

Limit of Detection :

Analytical lower unit of detection <150 viral genome equivalents/ ml

Interpretation :

RdRp/ N gene Positive : Indicates the presence of RNA specific to SARS CoV-2.

RdRp/ N gene Negative : Indicates the absence of RNA specific to SARS CoV-2.

S gene Detected : Indicates Presumptive Delta variant.

S gene Not Detected : Indicates Presumptive Omicron variant.

Limitations & Comments :

* SARS CoV-2 Qualitative RT-PCR test is an in-vitro detection assay conducted on Nasopharyngeal/ Oropharyngeal specimens collected in viral transport media.

* This assay detects the confirmatory genes of SARS CoV-2 (RdRp and N gene) along with single specific mutation on S gene based on the WHO guidelines of S-gene Target Failure (SGTF) in the clinical samples provided.

* The test result must be correlated with clinical observations, patient travel history, vaccination status, immune status and other epidemiological information.

* From the appearance of symptoms, viral load reduces day by day. Due to varied shedding of virus, the result of repeat testing even within hours or days can yield different results.

* Negative results do not preclude SARS CoV-2 infection and should not be used as a sole basis for patient management.

* False negative results may occur in the presence of PCR inhibitors, low RNA quantity in the sample provided, mutations or polymorphisms in the primer and probe binding sites.

* False positive results may be due to cross reactivity with other microorganisms such as influenza virus.

Repeat testing with fresh sample is suggested after two to four days if clinically suspicious.

* There is significant overlap of specific mutations of S gene in other/many variants of SARS CoV-2.

For confirmation of results/definitive results, Whole Genome Sequencing is recommended.

* Viral nucleic acids may persist independent of virus viability even after complete disappearance of symptoms.

* CT cut off values are not absolute indication of viral load and should be interpreted with caution. CT cutoff values may vary from lab to lab.

* Current knowledge about novel corona virus is evolving and more studies may be required for further evaluation.

Note :

• ICMR-Registration Number : VIJAY001

• COVID-19 test is conducted with a kit approved by ICMR/CE-IVD/US-FDA.

• Kindly consult Referring Physician/Authorized Government Hospital for appropriate follow up.

DR. VITTAL M.D
CONSULTANT MICROBIOLOGIST