



ISO 9001:2008



Lab ID. : 0062104301006  
 Patient Name : Mrs. Madhusmita Priyadarshini  
 Age/Sex : 25 YRS / Female  
 Ref. : Self

Reg No. : 334277  
 Reg. Date : 10/Sep/2021 10:39AM  
 Sample Coll. Date : 10/Sep/2021 11:33AM  
 Sample Rec. Date : 10/Sep/2021 12:02PM  
 Report Date : 10/Sep/2021 04:46PM

Client Code/Name : GH011114 Genx Diagnostics

SRFNo : 0708301667136

PassPort No :

Test Name	Result	Unit	Bio.Ref.Interval
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## MOLECULAR BIOLOGY

### SARS- CoV-2 (COVID 19) Detection by Real Time PCR\*

SARS- CoV-2 (COVID 19) Detection by Real Time PCR : **NEGATIVE**

ORF1ab GENE Ct Value : 38.16

Genx Diagnostics ICMR registration no. GXDND

Test Principle: Real time RT-PCR

Specimen Type: Nasopharyngeal / Oropharyngeal Swab

#### Interpretation:

Positive: Indicates the presence of SARS-CoV-2 (COVID 19) in the given specimen

Negative: Indicates the absence of SARS-CoV-2 (COVID 19) in the given specimen

A **"Positive"** result is indicative of infection with SARS-CoV-2 (COVID 19) but does not rule out bacterial infection or co-infection with other viruses. The agent positive may not be the definite cause of disease.

A **"Negative"** result does not rule out infection. A careful consideration to combination of epidemiological factors, clinical history, examination, other relevant investigation findings and treatment history should be done.

#### Test Limitations:

- A Positive result does not distinguish between a viable/ replicating organism and a non-viable organism.
- False Negative results may be seen in samples collected too early or too late in the clinical course of the illness. Kindly refer to the latest ICMR guidelines.
- Presence of PCR inhibitors in the sample may prevent DNA amplification. Paradoxical results may arise due to selection of inappropriate specimens and contamination during specimen collection.
- Sensitivity of this test depends upon the quality of the sample submitted for testing and stage of the infection.

**Note:** This test performance is validated at Genx Diagnostics.

#### Comments:

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 Microbiologist  
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Kindly consult referring Physician/ Authorized Govt. hospital for appropriate follow up. Details of all the positive patients will be communicated to Epidemiology Cell – BMC. Please ensure to notify the local / state/ federal authorities as per the existing rules/regulations.

**Clinical Background:**

COVID-19 is a new disease, caused by a novel (or new) coronavirus SARS-CoV-2. Reported illnesses have ranged from mild symptoms to severe illness and death for confirmed COVID-19 cases. Symptoms like Fever, Cough, and Shortness of breath may appear 2-14 days after exposure.

**References:**

- Centers for disease control and prevention. Corona virus disease (COVID 2019). Available from <https://www.cdc.gov/coronavirus/2019-ncov/index.html>
- World Health Organization. Coronavirus disease (COVID-19) technical guidance: Infection prevention and control / WASH. Available from <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/infection-prevention-and-control>.

**GENX DIAGNOSTICS**

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\*\*\* End Of Report \*\*\*

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