POLO LABS PVT. LTD
Regd. Off: 245, Sector 16-A, Chandigarh
Reference Lab: Polo Labs, Mohali, Punjab
Polo Labs, Ivy Hospital, Sector 71, Mohali
Ph.: 0172-5242183, 5242189, 9115115624

NAME	**:KAJAL GOEL**		
Age/Gender	:20 Y/M	Requisition Date	:18/Jan/2021 02:23PM
UHID	:165315	SampleCollDate	:18/Jan/2021 02:28PM
Inv. No.	:1235305	Sample Rec.Date	:18/Jan/2021 02:28PM
Panel Name	:Ivy Mohali	Approved Date	:18/Jan/2021 08:25PM
Bar Code No	:11409112	Referred Doctor	:DR. Direct

MOLECULAR BIOLOGY

COVID-19 RT PCR (QUALITATIVE)

ICMR Registration No: RPPLPMP

The test has been performed at (Polo Labs Pvt. Ltd., IVY Hospital, Sector 71, Mohali).

Method: RT PCR
Specimen type: Nasopharyngeal swab

Targets	Observation
E Gene (*B-βCoV)*	Not Detected
RdRpGene and N gene (*SARS-CoV-2)*	Not Detected
Ct Value (RdRpGene and N gene)	NA
Conclusion	Sample is **NEGATIVE** for SARS-CoV-2 RNA
Remarks	

Clinical utility of the test

Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV). SARS-CoV-2, is the causative agent of the coronavirus disease 2019 (COVID-19). Common signs of infection include respiratory symptoms, fever, cough, shortness of breath and breathing difficulties. In more severe cases, infection can cause pneumonia, severe acute respiratory syndrome and organ failure. The SARS-CoV-2 RNA is generally detectable in nasopharyngeal / oropharyngeal swabs during the acute phase of infection. Positive results are indicative of active infection. This assay is based on real-time PCR technology, for the qualitative detection of COVID-19 Viral RNA. This Real Time PCR assay targets both the E-gene (*B-βCoV)* which is recommended as a screening gene to detect the presence of lineage B-betacoronovirus and RdRp/N gene (*SARS-CoV-2)*, which confirms presence of infection with COVID-19.

Note: This test is performed using ICMR approved kit.

Interpretation:

Sr.No.	Result	Comment
1	Both E gene AND RdRp and N gene Not Detected	Absence of *E gene* and *SARS-CoV-2* RNA indicate no infection with Sarbecovirus (*B-βCoV)*.
2	E gene Detected AND RdRp and N gene Not Detected	Presence of *E gene* indicates infection with Sarbecovirus (*B-βCoV)* BUT absence of SARS-CoV-2
3	Both E gene AND RdRp and N gene Detected	Presence of *E gene a*nd *SARS-CoV-2* RNA (N or/and RdRp) indicates infection with COVID-19
4	E gene Not Detected But RdRp and N gene Detected	Presence of SARS- CoV-2 (N or/and RdRp) specific RNA indicates infection with COVID-19.

Result Entered By:Victor 40101

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5	Internal Control Not Detected	Inconclusive, RTPCR failure due to possible presence of Inhibitors. Repeat sample is requested

Test Attributes and Limitations:

1. Samples must be received at the laboratory under appropriate conditions within 48hrs of collection to ensure preservation of viral RNA.
2. Negative result does not rule out the possibility of Covid -19 infection. Presence of inhibitors, mutations & insufficient organism RNA can influence the result. False Negative results may be seen in samples collected too early or too late in the clinical course of the infection. Kindly refer to the latest ICMR guidelines.
3. A single negative test result, particularly if this is from an upper respiratory tract specimen, does not exclude infection. A positive alternate pathogen does not necessarily rule out COVID-19 infection, as little is yet known about the role of coinfections.
4. Repeat sampling and testing of lower respiratory specimen is strongly recommended in severe or progressive disease. The repeat specimens may be considered after a gap of 2 - 4 days after the collection of the first specimen for additional testing if required.

Patient Instructions:

1. Kindly consult referring Physician/ Authorized Govt. hospital for appropriate follow up.
2. Details of all the positive patients will be communicated to Epidemiology Cell whom you are requested to support.
3. "Positive" status needs to be notified to the appropriate authorities as per the existing rules/regulations, while we shall also be doing the same

*** End Of Report ***

Result Entered By:Victor 40101

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