

**MOLQ LABORATORY**  
**Molecular Quest Healthcare Pvt. Ltd.**  
 28-29, Sector 18, Gurgaon  
**Corporate Office :**  
 INDIA +91-9999-778-778  
 USA 001-855-876-MOLQ



**Patient Name And Address:**  
 Mr. CHARAN SINGH

**SRF No:**0606200635949

<b>Name</b>	Mr. CHARAN SINGH	<b>Collection Date</b>	10-Jan-2021 02:50 PM
<b>Age/Sex</b>	34.3 Years/Male	<b>Specimen Received</b>	10-Jan-2021 05:20 PM
<b>Institution</b>	Walk-in	<b>Report Date</b>	11-Jan-2021 09:55 AM
<b>Lab ID</b>	112101100064	<b>Print Date</b>	11-Jan-2021 10:24 AM
<b>Vial ID</b>	10830063	<b>Status</b>	Final Report

### Research & Development

Test Name	Status	Result	Unit	Reference Interval
<b>SARS-COV-2 Real-Time PCR, Qualitative *</b>				
Specimen Information		Nasal and Throat Swab		
Clinical Indication		Asymptomatic (Required for travelling purpose)		
<u>Method: Real-time Polymerase Chain Reaction (RT-PCR)</u>				
<b>Results-COVID</b>				
E Gene		Not Detected		
S Gene		Not Detected		
SARS-CoV-2 Detection		Negative		

#### Comments

This nucleic acid based test is useful for detection of coronavirus disease 2019 (COVID-19) illness due to severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

This test **should be requested only on** patients meeting current clinical and/or epidemiologic criteria defined by ICMR, state, or local public health directives:

<https://icmr.nic.in/content/covid-19> ([https://icmr.nic.in/sites/default/files/upload\\_documents/Strategy\\_COVID19\\_testing\\_India.pdf](https://icmr.nic.in/sites/default/files/upload_documents/Strategy_COVID19_testing_India.pdf))

#### Clinical Information

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is a positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Like other coronaviruses that infect humans, SARS-CoV-2 can cause both upper and lower respiratory tract infection. Symptoms can range from mild (ie, the common cold) to severe (ie, pneumonia) in both healthy and immunocompromised patients. SARS-CoV-2 transmission occurs primarily via respiratory droplets. During the early stages of COVID-19, symptoms may be nonspecific and resemble other common respiratory tract infections, such as influenza. If testing for other respiratory tract pathogens is negative, specific testing for SARS-CoV-2 may be warranted.

#### Test Description

Kit is based on real-time PCR technology for qualitative detection and differentiation of lineage B-beta coronavirus (*B-βCoV*) and severe acute respiratory syndrome coronavirus 2 (*SARS-CoV-2*) specific RNA.

The kit targets B-βCoV (E gene) and SARS-CoV-2 (S gene). The assay includes a heterologous amplification system (Internal Control) to identify possible RT-PCR inhibition and to confirm the integrity of the reagents of the kit.

#### Interpretation

Result	Interpretation
Detected (Both S and E gene)	Provided sample is positive for SARS-CoV-2
Not Detected (Both S and E gene)	Provided sample is negative for SARS-CoV-2
Indeterminate (Only E or only S gene detected)	Repeat sample is recommended
Inconclusive	Repeat sample is recommended

A **Detected** result indicates that severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RNA is present and suggests the diagnosis of coronavirus disease 2019 (COVID-19). Test result should always be considered in the context of patient's clinical history, physical examination, and epidemiologic exposures when making the final diagnosis.

**Dr Gulshan Yadav, MD**  
 Consultant Pathology

**Dr Megha Kaushik, PhD**  
 Consultant Molecular Biology

**Dr Jatinder Kaur, PhD**  
 Director MolQ Laboratory  
 Head Genomics and Molecular Biology, Biochemistry

A **Not Detected** result indicates that SARS-CoV-2 is not present in the patient's specimen. However, this result may be influenced by the stage of the infection and the quality of the specimen collected for testing.

An **Indeterminate** result suggests that the patient may be infected with a variant SARS-CoV-2 or SARS-related coronavirus. Additional testing with an alternative molecular method is recommended on a newly collection specimen.

An **Inconclusive** result indicates that the presence or absence of SARS-CoV-2 RNA in the specimen could not be determined with certainty after repeat testing in the laboratory, possibly due to RT-PCR inhibition. Submission of a new specimen for testing is recommended.

#### Cautions

- The sensitivity of the assay is dependent on the quality of the specimen collected for testing.
- The test is specific for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), and positive test results do not exclude the possibility of concurrent infection with other respiratory viruses.
- Negative results do not preclude infection with SARS-CoV-2 and should not be used as the sole basis for decisions on treatment or other patient care management.

#### Note

- ICMR Registration Number for COVID-19 is MLG001.
- Test is conducted as per the guidelines recommended by WHO.
- Kindly consult referring Physician/ Authorized Government Hospital for appropriate follow-up.

---

**\*\*\*End of Report\*\*\***

For related test information on this accession, please visit website [www.molq.in](http://www.molq.in) or email at [contact@molq.in](mailto:contact@molq.in)

The tests marked with an \* are not accredited by NABL



**Dr Gulshan Yadav, MD**  
Consultant Pathology



**Dr Megha Kaushik, PhD**  
Consultant Molecular Biology

**Dr Jatinder Kaur, PhD**

Director MolQ Laboratory  
Head Genomics and Molecular Biology, Biochemistry