CŌRE DIAGNOSTICS™
Your Test Result

ICMR Registration number: COREG001
SRF ID: 0606201938161

Result

Report

Case ID	100221730037
Patient Name	DAMINI GOYAL
Age/Sex	28 Year /Female
Hospital Location	New Delhi, Delhi, India
Hospital Name	Health Care Center, Kapashera
Physician Name	Dr. Self
Date & Time of Accessioning	15/09/2021 00:39 Hrs
Date & Time of Reporting	15/09/2021 02:54 Hrs

TEST NAME

SARS-COV-2 Qualitative Detection Test

SPECIMEN INFORMATION

Nasopharyngeal swab & Oropharyngeal swab Collected on 08/09/2021

CLINICAL HISTORY

Refer ICMR form

METHODOLOGY

Real Time Polymerase Chain Reaction (RT PCR)

RESULTS

Test Details	Result
E gene	Not-Detected
ORF1ab(RdRP) gene	Not-Detected
SARS-CoV-2 Detection	Negative

INTERPRETATION

Result	Interpretation
Both E gene and ORF1ab(RdRP) gene Detected	Sample provided is positive for SARS-CoV-2.
Both E gene and ORF1ab(RdRP) gene Not Detected	The Sample provided is negative for SARS-CoV-2.
Only E gene Detected	In-conclusive result and repeat sample is recommended.
Only ORF1ab(RdRP) gene Detected	In-conclusive result and repeat sample is recommended.
Non Diagnostic/Internal Control not detected	Inadequate sample (due to poor collection/failure of RNA extraction procedure) or RT-PCR inhibition. Repeat sample is recommended.

Certificate No. : MC-2256
Accredited by NABL

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COLLEGE of AMERICAN PATHOLOGISTS
AU-ID-2010258

Dr. Subhradeep Majumder, MD
Reg. No. 52661

Dr.Disha Bhatia, MD, Consultant Microbiologist
Reg. No. DMC/R/8239

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COMMENT

1. This qualitative assay is able to detect B-betacoronavirus (B-βCoV) and (SARS-CoV-2) only, other subtypes cannot be differentiated by this assay. Potential mutations within the target regions of the SARS-CoV-2 genome covered by the primers and/or probes used in the kit may result in failure to detect the presence of the pathogens.
2. SARS-CoV-2 is the causative agent of the coronavirus disease 2019 (COVID-19) and the virus belongs to Order: Nidovirales, Family: Coronaviridae, Genus: Betacoronavirus and structure of the virus is enveloped, positive sense, single stranded RNA virus.
3. The SARS-CoV-2 detection is a real-time PCR technology based test, for the qualitative detection and differentiation of lineage B-betacoronavirus (B-βCoV) and severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) specific RNA.
4. The test is targeting ORF1ab(RdRP) gene (SARS-CoV-2 specific) and E gene (B betacoronavirus specific).
5. The limit of detection of this assay is 500 RNA copies/ml of reaction.

NOTE

1. Negative results do not rule out the possibility of COVID-19 virus infection. A number of factors could lead to a negative result in an infected individual, including:
    - Poor quality of the specimen, containing little patient material (as a control, consider determining whether there is ade-quate human DNA in the sample by including a human target in the PCR testing)
    - The specimen was collected late or very early in the infection
    - The specimen was not handled and shipped appropriately
    - Technical reasons inherent in the test, e.g. virus mutation or PCR inhibition.
2. Both External and Internal controls have been included in each and every run.
3. Test conducted as per guidelines recommended by WHO.
4. The test result should be used in conjunction with clinical presentation.
5. Kindly consult referring Physician / Authorized Govt. hospital for appropriate follow-up.

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If you have any questions about this report or would like to have a conversation about the genetic implications of these test results, please feel free to reach out to us at

1800 103 2673 (Toll Free) or info@corediagnostics.in

CONDITIONS OF REPORTING

1. The tests are carried out in the lab with the presumption that the specimen belongs to the patient named or identified in the bill/test request form.

2. The test results relate specifically to the sample received in the lab and are presumed to have been generated and transported per specific instructions given by the physicians/laboratory.

3. The reported results are for information and are subject to confirmation and interpretation by the referring doctor.

4. Some tests are referred to other laboratories to provide a wider test menu to the customer.

5. CORE Diagnostics Pvt. Ltd. shall in no event be liable for accidental damage, loss, or destruction of specimen,which is not attributable to any direct and mala fide act or omission of CORE Diagnostics Pvt. Ltd. or its employees. Liability of CORE Diagnostics Pvt. Ltd. for deficiency of services, or other errors and omissions shall be limited to fee paid by the patient for the relevant laboratory services.

406, Udyog Vihar, Phase III, Gurgaon

A guide to understanding the available tests and your COVID-19 RT-PCR report

CŌRE DIAGNOSTICS™

1800 103 2673 (Toll-Free)

www.corediagnostics.in

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What is COVID-19?

COVID-19 disease is an infectious disease caused by SARS-CoV-2. The common symptoms of COVID-19 include cough, fever, chills, difficulty in breathing, headache, diarrhea, loss of smell and taste, vomiting, sore throat, body ache etc.

What does isolation mean?

Isolation : Separates sick people with a contagious disease from people who are not sick.

What does quarantine mean?

Quarantine : Separates and restricts the movement of people who were exposed to a contagious disease to see if they become sick.

What protective measures one should take to avoid the spread of COVID-19?

Wash your hands frequently with soap and water or use alcohol-based hand sanitizer

Wear Mask

Cover your mouth and nose with your bent elbow or tissue when you cough or sneeze

Avoid crowds and stay at least 6 feet (2 arm's length) away from another person

Avoid touching eyes, nose and mouth

What precautions should caregivers take?

Isolate the COVID-19 positive patient in a well ventilated room with an attached toilet.

Make sure that the patient follows the prescribed treatment, should take proper rest and drink a lot of fluids

Always wear a triple layer medical mask when in the same room with COVID-19 positive patient

Clean and disinfect frequently touched surfaces by COVID-19 positive patient daily

Avoid direct contact with the body fluids of the patient particularly oral and respiratory secretions. Use disposable gloves while handling the patient

A caregiver should wash the hands frequently with the soap and water or alcohol-based sanitizer after any contact with the patient and before meal preparation, before eating, and after using the toilet

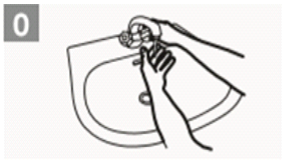
Use separate eating utensils, towels and bedsheets for the COVID-19 positive patients and should be washed separately with soap and water

How to wash your hands properly?

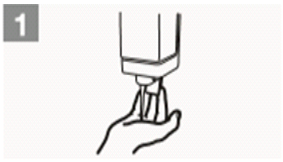
Steps to hand washing

- Use water to rinse hands & Apply soap on wet hands
- Rub between palms, fingers and back of the fingers
- Rub nails and fingertips
- Rub base of thumb and wrist

Duration of the entire procedure: 40-60 seconnds



Wet hands with water



Apply enough soap to cover all hand surfaces:

Rub hands palm to palm

Right palm over left dorsum with interlaced fingers and vice versa

Palm to palm with finger interlaced

Backs of fingers to opposing palms with fingers interlocked

Rotational rubbing of left thumb clasped in right palm and vice versa

Rotational rubbing, backwards and forwards with clasped finger of right hand inn left palm and vice versa

Rinse hand with water

Dry hands thoroughly with a single use towel

Use towel to turn off faucet

Your hands are now safe

What all tests are available?

Test Name	SARS CoV-2 RT-PCR
Technology	RT-PCR
TAT	1 Day
Significance	Real time RT-PCR is the gold standard for laboratory diagnosis of infection with SARS-CoV-2

Who should get tested for COVID-19 by RT-PCR?

- People who have symptoms of COVID-19.
- People who have had close contact (within 6 feet for a total of 15 minutes or more) with someone with confirmed COVID-19.
- People who have taken part in activities that put them at higher risk for COVID-19 because they cannot socially distance as needed, such as travel, attending large social or mass gatherings, or being in crowded indoor settings.
- People who have been asked or referred to get testing by their healthcare provider, or state health department.

What does the Ct value mean?

Ct value is the cycle threshold value. It is the number of cycles the PCR takes to detect the target viral genes from the sample.

ICMR has recommended a Ct value cut-off of 35 with a good sigmoidal real-time RT-PCR curve.

It is recommended not to rely on numerical Ct values for determining infectiousness of COVID-19 patients and deciding patient management protocols as there are no reliable studies to definitively prove a direct correlation between disease severity/ infectiousness and Ct values. The Ct values can vary depending on several factors, including the timing of sample collection since onset of symptoms, type of sample collected, the sample collection procedure, transportation mode and time, the test kit used and various others.

Test Name	SARS-CoV-2 IgG Antibody tests
Technology	CLIA
TAT	1 Day
Significance	Helps in identifying immune response to SARS-CoV-2, indicating prior infection. Not useful in detecting acute infection

Test Name	SARS-CoV-2 Total Antibody test
Technology	CLIA
TAT	1 Day
Significance	Tells about recent or past SARS-CoV-2 infection

Test Name	Fever Panel with SARS-CoV-2
Technology	Multiple
TAT	2 Days
Components	COVID RT-PCR, Malaria Antigen, Typhidot (IgG & IgM), Dengue NS1 Antigen, CBC with ESR, CRP, LFT, Peripheral Smear Review, Urine Examination, Routine
Significance	Useful in checking for the common causes of fever and acute phase reactants levels

Test Name	Fever Panel Extended
Technology	Multiple
TAT	2 Days
Components	Malaria Antigen, Typhidot (IgG & IgM), Dengue NS1 Antigen, CBC with ESR, CRP, LF, Peripheral Smear Review, Urine Examination, Routine
Significance	Useful in checking for the common causes of fever and acute phase reactants levels

Test Name	IL-6 Basic Panel
Technology	Multiple Technologies
TAT	1 Day
Components	Complete Blood Count (CBC), Ferritin, C-Reactive Protein (CRP), Kidney Function Test (KFT), Liver Function Test (LFT), D-Dimer, Interleukin-6 (IL-6)
Significance	Useful for determining baseline levels while starting treatment and for subsequent follow-up and monitoring in COVID-19 patients

Test Name	IL-6 Advance Panel
Technology	Multiple Technologies
TAT	1 Day
Components	CBC,Ferritin,CRP,KFT,LFT,D-Dimer,IL-6,LDH
Significance	Useful for determining baseline levels while starting treatment and for subsequent follow-up and monitoring in COVID-19 patients

Test Name	IL-6 Extended Panel
Technology	Multiple Technologies
TAT	1 Day
Components	CBC,Ferritin,CRP,KFT,LFT,D-Dimer,IL-6,LDH,Procalcitonin and Troponin-I
Significance	Useful for determining baseline levels while starting treatment and for subsequent follow-up and monitoring in COVID-19 patients

"Take care of your health and protect others by following the COVID norms."

For sample collection

Please call **1800 103 2673** (Toll Free)

Booking can also be done by e-mail: info@corediagnostics.in

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