

**REPORT**

**NAME :** ANSARI (55Y/M)  
**REF. BY :** FAMILY CARE HOSPITAL  
**TEST ASKED :** COVID-19

**SAMPLE COLLECTED AT :**  
(122338), BHAKTI VEDANTA HOSPITAL, SHRISHTI  
COMPLEX, NEAR ROYAL COLLEGE, SECTOR NO 1,  
BHAKTIVEDANTA SWAMI MARG, MIRA ROAD, THANE -  
401107, 401107

TEST NAME	RESULT
COVID-19 QUALITATIVE PCR	DETECTED
B-BETA CORONAVIRUS QUALITATIVE PCR	DETECTED

**Interpretation**

NOT DETECTED	COVID-19 / B-betacoronavirus RNA was not detected in the patient specimen or less than detection limit
DETECTED	COVID-19 /B-betacoronavirus RNA was detected in the patient specimen

The performance of this test has been validated & evaluated by National Institute of Virology/ICMR.

**Indications**

COVID-19 is an infectious disease caused by the virus strain "severe acute respiratory syndrome coronavirus 2" (SARS-CoV-2),  
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 kidney failure.

**Methodology**

COVID-19 detection by polymerase chain reaction (PCR) is based on the amplification of specific regions of the B-βCoV (target E gene) and SARS-CoV-2 (target S gene). In real time PCR the amplified product is detected via fluorescent dyes.

**Clinical Significance**

1. Detection of COVID-19/B-betacoronavirus RNA in patients with COVID-19/B-betacoronavirus infection.
2. Lower detection limit of the assay is 10 Copies/Reaction.<sup>2</sup>

**Limitation of the assay**

1. Presence of PCR inhibitors may interfere with PCR amplification.
2. Negative result does not rule out the possibility of infection. Presence of inhibitors, mutations & insufficient organism RNA can influence the result.

**Disclaimer**

1. This test is intended for use in conjunction with clinical presentation and other laboratory markers.
2. Improper specimen collection, handling, storage and transportation may result in false negative results.
3. The report represents only the specimen received in laboratory.

**References**

1. RealStar® SARS-CoV-2 RT-PCR Kit 1.0
2. Rapid establishment of laboratory diagnostics for the novel coronavirus SARS-CoV-2 in Bavaria, Germany, February 2020. Euro Surveill. 2020 ;25(9):pii=2000173. <http://doi.org/10.2807/1560-7917.ES.2020.25.9.2000173>

~~ End of report ~~

**Sample Collected on (SCT)** : 27 Mar 2020 08:30  
**Sample Received on (SRT)** : 28 Mar 2020 11:36  
**Report Released on (RRT)** : 28 Mar 2020 18:06  
**Sample Type** : SWABS  
**Labcode** : 2803000001/COV03  
**Barcode** : J7797939



Dr. Chaitali Nikam, Ph.D

Dr. Caesar Sengupta MD(Micro)

## CONDITIONS OF REPORTING

- ❖ The reported results are for information and interpretation of the referring doctor only.
- ❖ It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- ❖ Results of tests may vary from laboratory to laboratory and also in some parameters from time to time for the same patient.
- ❖ Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- ❖ Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results.
- ❖ This report is not valid for medico-legal purpose.
- ❖ Neither Thyrocare, nor its employees/representatives assume any liability, responsibility for any loss or damage that may be incurred by any person as a result of presuming the meaning or contents of the report.
- ❖ Thyrocare Discovery video link :- <https://youtu.be/nbdYeRgYyQc>
- ❖ For clinical support please contact @8450950851,8450950852,8450950853,8450950854 between 10:00 to 18:00

## EXPLANATIONS

- ❖ Majority of the specimen processed in the laboratory are collected by Pathologists and Hospitals we call them as "Clients".
- ❖ **Name** - The name is as declared by the client and recored by the personnel who collected the specimen.
- ❖ **Ref.Dr** - The name of the doctor who has recommended testing as declared by the client.
- ❖ **Labcode** - This is the accession number in our laboratory and it helps us in archiving and retrieving the data.
- ❖ **Barcode** - This is the specimen identity number and it states that the results are for the specimen bearing the barcode (irrespective of the name).
- ❖ **SCP** - Specimen Collection Point - This is the location where the blood or specimen was collected as declared by the client.
- ❖ **SCT** - Specimen Collection Time - The time when specimen was collected as declared by the client.
- ❖ **SRT** - Specimen Receiving Time - This time when the specimen reached our laboratory.
- ❖ **RRT** - Report Releasing Time - The time when our pathologist has released the values for Reporting.
- ❖ **Reference Range** - Means the range of values in which 95% of the normal population would fall.

## SUGGESTIONS

- ❖ Values out of reference range requires reconfirmation before starting any medical treatment.
- ❖ Retesting is needed if you suspect any quality shortcomings.
- ❖ Testing or retesting should be done in accredited laboratories.
- ❖ For suggestions, complaints or feedback, write to us at [info@thyrocare.com](mailto:info@thyrocare.com) or call us on **022-3090 0000 / 4125 2525**
- ❖ SMS:<Labcode No.> to **9870666333**

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Tuberculosis (TB) is a transmissible, airborne infection caused by *Mycobacterium tuberculosis (MTB)*. It transpires usually when a person inhales microscopic droplet nuclei containing viable bacteria, spread through coughing by persons who have infectious TB.

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