



**SHARDA  
HOSPITAL**

**SCHOOL OF  
MEDICAL SCIENCES  
& RESEARCH**



### CENTRAL LABORATORY

<b>Patient Name</b>	Miss. MARY GABRIEL ISAMBA	<b>Lab No</b>	524902
<b>UHID</b>	21051820054	<b>Sample Date</b>	18/05/2021 11:03AM
<b>Age/Gender</b>	23 Yrs/Female	<b>Receiving Date</b>	18/05/2021 1:13PM
<b>Bed No / Ward</b>	OPD	<b>Report Date</b>	18/05/2021 3:56PM
<b>Referred By</b>	Medicine Unit II	<b>Report Status</b>	Final

### VIROLOGY

#### SARS-CoV-2 Real Time PCR (Qualitative)

Test	Value	Unit	Reference Range
Specimen Type	Nasopharyngeal / Oropharyngeal Swab		
Result	Negative (SARS-CoV-2 Not Detected)		

#### Interpretation:

- A **"Detected"** result is indicative of infection with SARS-CoV-2 (COVID 19) but does not rule out bacterial infection or co-infection with other viruses.
- A **"Not Detected"** result does not rule out SARS-CoV-2 (COVID 19) infection. A careful consideration to combination of epidemiological factors, clinical history, examination, other relevant investigation findings and treatment history should be done.

#### Limitations:

- A detected 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.
- Paradoxical results may arise due to selection of inappropriate specimens and contamination during specimen collection and transportation.
- Sensitivity of this test depends upon the quality of the sample submitted for testing and stage of the infection.
- **\* Covid -19 test conducted as per kits approved by ICMR/ CE-IVD/ USFDA.**

#### \*\*Ct Value interpretation:

- Ct values depend on how the sample has been collected, transported and may differ from one kit to other.
- Patients in early symptomatic stage may show a high Ct value which may subsequently change.
- Sample from asymptomatic / mild cases may show Ct values similar to those who develop severe disease.
- Currently RT-PCR test is qualitative in nature and specialized standards are required for quantitative assays which are currently unavailable for SARS-CoV-2.

**\*\*\* In view of the above, it is not recommended to rely on numerical Ct values for determining infectiousness of COVID-19 patients and deciding patient management protocols.**

**Dr. Tarana Sarwat**  
**Assistant Professor**

## School of Medical Sciences & Research

Plot No. 32&34, Knowledge Park-III, Greater Noida – 201 306

24-hours Helpline : +91-9803742732

Email : [info@shardahospital.org](mailto:info@shardahospital.org) [www.shardahospital.org](http://www.shardahospital.org)



**SHARDA**  
UNIVERSITY  
*Beyond Boundaries*