SCIENTIFIC
DIAGNOSTIC CENTRE

TEST REPORT

Reg. No.	: 0421106761		
Name	: Ms. SHAILEY N JHA	**Reg. On**	: 07-Apr-2021 12:28 PM
Age/Sex	: 17 Years / Female **Passport No.** :	**Collected On**	: 07-Apr-2021 12:28 PM
Ref. By	:	**Approved On**	: 07-Apr-2021 06:40 PM
Client Name	:	**Generated On**	: 07-Apr-2021 09:04 PM
Sample Type	: Nasopharyangeal + Oropharyngeal Swab	**Ref ID**	:

Parameter	Result	Unit	Biological Ref. Interval

Qualitative detection of COVID-19 by RTPCR

COVID19 INTERPRETATION	**Positive**
RdRp gene (Ct)	**Detected-26**
N gene	**Detected**
Internal Control	Pass

COMMENT :
Test: Qualitative test of COVID19 RNA by standard procedure on rt Real-time PCR.
Test Methodology: Reverse transcriptase Real-time Polymerase Chain Reaction.
ICMR Registration No - SDCLAG

Interpretations:
Cycle threshold (Ct value) Value ranges from 15-40 cycle.
Higher the Ct Value lower is the viral load (Inversely proportional).
Kindly correlate with the clinical presentation and findings.

Clinical Significance:
a. Coronaviruses are a family of large RNA viruses with size ranging from 26 to 32 kb. These viruses are zoonotic and in humans can cause respiratory infections.
b. As the coronavirus is an RNA virus it has a relatively high mutation rate resulting in rapid evolution.
c. In December 2019,a new deadly coronavirus known as 2019-nCoV, which has a high sequence similarity to SARS-CoV, was identified and has caused a Pneumonia outbreak in Wuhan, China and spread globally.

Limitations:
a. The results of this test are highly dependent on the time of collection. If the specimen was collected late or very early, it
may result in false negative report.
b. Presence of PCR inhibitors (cannot be traced by technologist), specimen collected very early/late in infection or viral load lesser than the assay lower limit of detection as well as presence of rare genotypes or mutations may also result in false-negative report.
c. False-positive report may be obtained in cases where there is possibility of background RNA contamination due to various reasons.
d. RT-PCR kits used for this assay are approved by ICMR.

---------- End Of Report ----------

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*Not in NABL Scope