HEALTH CARE
PATHOLOGY LABORATORY
Care For Quality

Medical Laboratory Report

Patient Name	: Mrs Clavia Pereira	Patient UID No	:LIU250300048576
Age and Gender	: 25 Years / Male	PRN No	:LIU250300048576
Category	: Health Care Pathological Lab Valpoi.	Registered On	:11.01.2022 10:45
Referring Doctor	: Health Care PVT LTD	Sample UID No.	25020161

Test Done	Observed Value

COVID 19 RT PCR

SPECIMEN — **NASOPHARYNGEAL / OROPHARYNGEAL SWAB**

COVID-19 QUALITATIVE PCR — NEGATIVE

Target Genes	Detected / Not Detected	CT Value
ORF1 ab GENE	Not Detected	-
S GENE	Not Detected	-
N GENE	Not Detected	-

Note : Interpretation of the results:

Targets considerate for analysis of SARS COV-2 are N gene, ORF 1ab, S gene. Test is considered positive if two or more SARS COV-2 targets detected.

a) Note:

• ICMR recommended kits are used for reporting. All the specimen testing are notifiable to ICMR New Delhi and IDSP, Maharashtra State for further surveillance.

• Invitrogen™ MagMAX™ RNA Isolation Kit along with automated RNA extractor is used.

b) CLINICAL SIGNIFICANCE:

• Clinical correlation with patient history, radiology findings and co-infection with other virus infection is necessary to determine patient infection status.

• Samples with low viral load (CT 26 to 35) may give variable results on repeat testing. The possible reasons could be the variations in kits and instruments used.

• Lower detection limit of the assay is 10 GCE/Reaction.

• Viral nucleic acid may persist in vivo independent of virus viability. Detection of analytic target does not indicate that the viruses are infectious or are the causative agents of symptoms

c) LIMITATIONS:

• This test is a qualitative assay and does not quantify viral load. CT values are not an absolute indication of viral load and are affected by variation in specimen collection.

• Optimal specimen types and timing of peak viral levels during infections of nCoV-19 have not been determined. Collection of multiple specimens is necessary in view of suspected clinical history. The repeat specimen may be considered after a gap of 2-4 days after the collection of first specimen for additional testing if required.

• Negative results do not impede SARS - CoV - 2 infection and should not be used as the sole basis for patient management decisions. .Presence of inhibitors, mutations and insufficient-organism RNA can influence the result.

d) METHODOLOGY:

COVID-19 detection by Polymerase Chain Reaction (PCR) is based on the amplification of 3 specific SARC-CoV-2 genes using Real Time PCR (Open System). In RT PCR, the amplified product is detected via fluorescent dyes using **TaqPath ™** COVID-19 Combo Kit along with CT cutoff of kit recommendation.

e) 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 result
3. As per ICMR guideline CT value indicated in reports is not mandatory as well as advisable to be published on report it is mentioned due to various enquiries received from Medical practitioners.
4. The report represents only the specimen received in laboratory.
5. This test has been performed at Krsnaa Diagnostics Pvt Ltd , LT .Jayabai Nanasaheb Sutar Maternity Home ,Pune,Maharashtra,India which has been approved by ICMR for same .The ICMR approval code is **KDPLP.**

~~~ END OF REPORT ~~~

DR.SUMIT CHAVAN
(MD MICROBIOLOGIST)

Sample Collected On	: 11.01.2022 10:35	Sample Accepted On	:11.01.2022 11:58	E12742	
Results Authenticated	: 11.01.2022 20:14	Results Reported	:11.01.2022 20:05	Printed On	: 11.01.2022 20:08

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