LILIUM Diagnostics

Expires in 120h

COVID-19 TEST REPORT

Patient Name	XU CHEN	**Date of Birth** **Gender**	30-10-1974 M
Passport or ID #	HG472023	**Sample ID #**	AL10601877
Specimen Type	Nasopharyngeal	**Sample Collection Date & Time (dd-mm-yyyy) (00:00 - 23:59)**	24-02-2023 09:36
Laboratory Test performed for		SARS-CoV-2 Virus (causative agent of COVID-19)	
Test Method		Real-time RT-PCR (ISO 15189 accredited laboratory test)	

The Lilium SARS-CoV-2 Assay is a real-time RT-PCR test for the qualitative detection of nucleic acids from 3 separate gene regions of SARS-CoV-2 (COVID-19) in nasopharyngeal and oropharyngeal samples. Result obtained with an ISO 15189 accredited laboratory validated assay that utilizes kit components authorized by the FDA and Health Canada (TaqPath™ by Thermo Fisher / Life Technologies; assay performance: >99.9% sensitivity and 100% specificity at viral loads above 500 copies/ml per sample). Lilium Diagnostics is a Canadian accredited laboratory (with a permit from the Ministry of Health) with ISO 15189 accreditation for SARS-CoV-2 testing.

TEST RESULT

☐ Detected (Positive) ☐ Equivocal		☑ Not Detected (Negative) ☐ Inconclusive	
Viral Ct_V :	-	Sample Quality Ct_Q :	24.9

INTERPRETATION OF TEST RESULTS

If Detected

SARS-CoV-2 Virus detected. Result transmitted to the patient's regional Health department by the laboratory.

Ct values are given as general guidance for the accumulated quantity of SARS-CoV-2 RNA (remaining) that is detected in the sample, and does not necessarily correlate with present clinical severity:
Ct_V < 20: VERY HIGH DETECTION
Ct_V 20 - 25: HIGH DETECTION
Ct_V 25 - 30 : MEDIUM DETECTION
Ct_V > 30: LOW DETECTION: trace amounts of SARS-CoV-2 RNA detected. This result represents a sample that is either collected at the beginning of infection, or collected several days after the end of infection (where non-viable remnants of the virus are detected and the patient is no longer infectious).

If Not Detected

SARS-CoV-2 Virus (causative agent of COVID-19) RNA not detected. For patients with a high clinical probability of COVID-19, it is recommended to repeat the test within 24-72 hours after the first collection.

If Equivocal

The test result (including infection status) is unclear and may require a new sample. It is suggested to submit a new sample if clinically indicated.

If Inconclusive

An internal control was not detected, making it impossible to interpret a negative result due to an extremely poor sample quality or presence of an inhibitor. The test needs to be repeated.

Sample Quality

Interpretation of how well the sample collection was performed and the quality of the resulting sample:
Ct_Q < 20: VERY GOOD
Ct_Q 20 - 25: GOOD
Ct_Q 25 - 30 : ACCEPTABLE
Ct_Q > 30: POOR OR INVALID

Laboratory Director
Olivier Petit, # 4295, membre de l'Association des Microbiologistes du Québec

Report validated by : _____ Test completed at : 24-02-2023 - 13:04
Sarathi Mani, PhD
Director of Molecular Biology and Microbiology

SCC Accredited LAB
LAB Accrédité CCN ™