

Referral Doctor:
Dr. Ho Wai Ming
Unit 1302-05, 26 Nathan Road,
Tsim Sha Tsui, Kowloon

Client Name (SURNAME, GIVEN NAME) : CHAN, SIU MING
Client Name (Chi) : 陳小明
ID No. / Ref. No. : B1234567 / 220324-01
Gender / DOB : M / 01/01/1990
Case ID. : MV2203-00245
Specimen collection time : 24/03/2022 09:33
Date Received : 24/03/2022
Date Reported : 24/03/2022

Specimen: All specimens are combined nasal and throat swabs, unless otherwise indicated.

Molecular Diagnostics 分子診斷

Qualitative detection of SARS-CoV-2 RNA
2019 冠狀病毒定性基因檢測

Negative

Test Description & Methodology:

The SARS-CoV-2 (COVID-19) molecular diagnostics assay is a real-time PCR test that reversibly transcribing the viral RNAs into cDNAs and then subjected to further amplification and detection with fluorescent labeled probes. This molecular diagnostic assay has been approved by FDA EUA for the detection of SARS-CoV-2 (COVID-19) viruses.

Total RNA was first extracted and purified from the specimen(s), followed by target genes amplification and detection by the fluorescent labeled probes that specific to four viral gene regions at E, RdRp, S and N genes of the SARS-CoV-2 viruses and one human endogenous control gene (IC) in a single real-time PCR reaction.

Detection Specificity & Sensitivity:

The assay cross-reactivity was validated across 72 other different types of pathogens, including the most common types of upper respiratory tract pathogens and against the 2003 SARS-CoV-1 and MERS-CoV. The lower limit of detection (LoD) determined by internal verification is 100 copies of viral full-length genome per milliliter (mL) of original swab specimens that containing in viral transport medium which is equivalent to 1.17 copies per reaction. The result will be defined as inconclusive if the Ct value of the internal control gene (IC) > 29.55, it indicates the inadequate sampling of the specimen and leading to low cell count, re-sampling of such specimen would be advised.


Disclaimer:

In general, a negative result does not completely exclude viral infection or the related diseases. False negative results can arise from poor sample collection, degradation of the viral RNA during shipping or storage, or specimen collection had been done prior to the symptom onset or infection. A negative result also indicates the specimen that collected from the date and time specified was negative for the assay detection or below the detection limit of this diagnostic assay. The report refers to the results of the diagnostic assay at the date and time of specimen collection only. The patient could be exposed and infected with the pathogens after the specimen sampling and this report cannot be used as the sole assessment tool and clinical evaluation of SARS-CoV-2 infection.

Remark:

N/A

Approved Signatory

Chow Chun Kin, Lab Director
Registered MLTI (MT102956)

Print Date: 24/03/2022
Prepared by (staff code): ML00079
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Client Name (SURNAME, GIVEN NAME) : CHAN, SIU MING

姓名: 陳小明

ID No. 身份証號碼: B1234567

Travel Doc. No. 旅行證件號碼: A963852741

Gender 性別 / Date of Birth 出生日期: M / 01/01/1990

Lab No. 化驗所樣本號碼: / Case ID 診所編號: 220324-01 / MV2203-00245

Specimen Type: Combined nasal and throat swabs

樣本類型: 鼻腔和咽喉合併拭子

Specimen Collection Date 採樣日期: 24/03/2022 09:33:42

Report Date 報告日期: 24/03/2022 16:24:00

TO WHOM IT MAY CONCERN

敬啟者

This is to certify that the nucleic acid test result for SARS-CoV-2 on the respiratory specimen(s) of the below-named person is **NOT DETECTED**.

特此證明·以下人士之呼吸道樣本對新型冠狀病毒核酸檢測的結果為 **陰性**。

Name (SURNAME, GIVEN NAME): 姓名:	CHAN, SIU MING 陳小明
ID No.: 身份証號碼:	B1234567
Travel Doc. No.: 旅行證件號碼:	A963852741
Specimen Type: 樣本類型:	Combined nasal and throat swabs 鼻腔和咽喉合併拭子
Date and Time of Specimen Collection: 採集樣本日期及時間:	24/03/2022 09:33:42
Laboratory No.: 化驗所樣本號碼:	220324-01
Testing Platform: 檢測平台:	qRT-PCR 實時熒光逆轉錄聚合酶鏈反應
Laboratory Report Issue Date and Time: 化驗報告發出日期及時間:	24/03/2022 16:24:00

Report print date: 24/03/2022

Prepared by (staff code): ML00079

Approved Signatory

Chow Chun Kin, Lab Director
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