

รายงานผลการตรวจวินิจฉัยโรคติดเชื้อโดยเทคนิคอณูพันธุศาสตร์
Molecular Genetics Techniques for Infectious Diseases Diagnosis



Name : **IAN BRIAN ELDRED** Sex : **Male** Age : **66**
ID/Passport No. : **PB2330005** Hospital No. : **4220347528** Date of birth : **05/04/1955**
Collection : **04/04/2022 09:57:06** Receive : **04/04/2022 11:29:25** Reported : **04/04/2022 14:58:38**
Organization : **SQ726-The Marina Phuket Hotel** Nationality : **AUS** Accepted sample
Sample Type : **Nasopharyngeal swab (NPS)** First run Repeat run

COVID-19 (SARS-CoV-2)

Description: Detection of a novel coronavirus (SARS-CoV-2) RNA using quantitative reverse transcription PCR (qRT-PCR) technique.

Conclusion

ผลการตรวจ "ไม่พบ" เชื้อไวรัสโคโรนาสายพันธุ์ใหม่ 2019 ในสิ่งส่งตรวจ
The novel coronavirus (SARS-CoV-2) is not detected in tested sample.

Result Table

Sample	Target Organisms	Target Genes	Cycle Threshold (Ct)*	Results
537553	SARS-CoV-2	<i>N1N2</i>	none	Not detected
	SARS-CoV-2	<i>E</i>	none	Not detected
	Internal Control		30.47	Valid

* considered as positive if Ct falls within 40 cycles

Principle of the test:

With use of multiplex real-time PCR technology, this in vitro diagnostic kit can detect the presence or absence of viral RNA on 2 targeted genes: *N1N2* and *E* gene. Signals can be detected based on the validated Taqman probes of those targeted genes during the amplification process. The internal control RNA is also included as a control to monitor the amplification procedure of each sample.

- Disclaimer -

- The kit is only designed for detection of 2019 novel Coronavirus (SAR-CoV-2) based on *N1N2* and *E* gene. It cannot be used for SARS-CoV, MERS-CoV or other human coronaviruses.
- Samples with lowest viral concentration (below 5 copies/reaction, the limit of detection (LOD) of this kit) may result as negative. Other factors including improper sample collection, improper storage condition and/or technical error could also lead to false positive or false negative result.
- Diagnostic result using this kit should be used as a reference. Other clinical findings should be considered altogether with this result to make a complete diagnostic conclusion.

Reported by
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Check Report



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