

Supplementary information

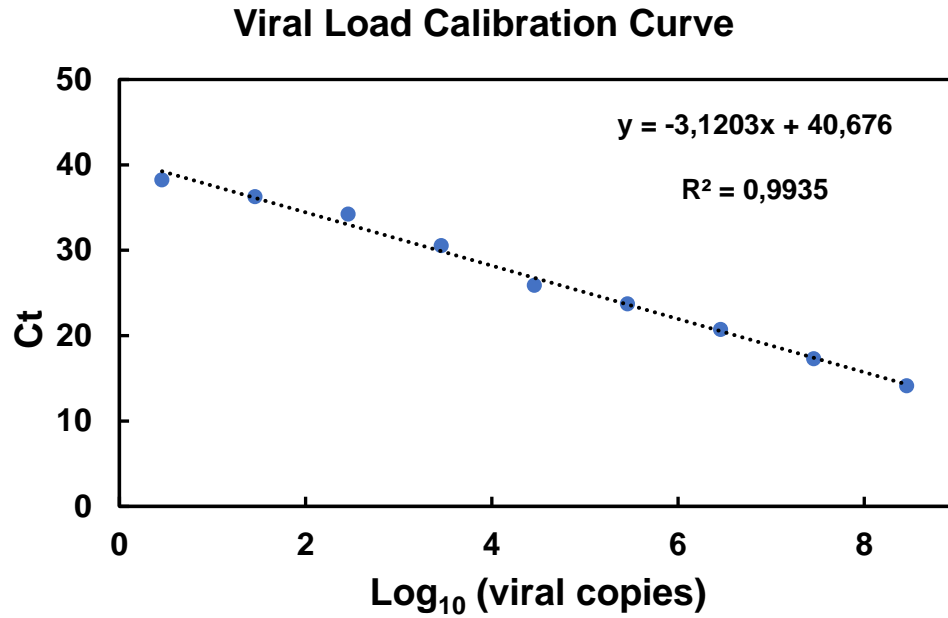


Figure S1. Calibration curve of the relationship between the number of viral copies (SARS-CoV-2) and Ct value from a diagnostic RT-qPCR. The calculation of the calibration line from the serial dilution of the 3180pb pUC series plasmid containing specific sequences of the viral E and RdRp genes detected by RT-qPCR related to the Ct value.

Table S1. Viral copy number ratio in each RNA dilution factor for samples positive for SARS-CoV-2.

Number of viral copies / μl of RNA	Dilution
33863040.84	1
3386304.08	1×10^{-1}
338630.4	1×10^{-2}
33863.04	1×10^{-3}
3386.3	1×10^{-4}
338.64	1×10^{-5}
33.86	1×10^{-6}
3.38	1×10^{-7}
0.34	1×10^{-8}

Table S2. Ct readings of SARS-CoV-2 detection tests by RT-qPCR using the GeneFinder™ triplex and duplex COVID-19 Plus kits.

GeneFinder™ COVID-19 Plus Kit						RT-qPCR Triplex				RT-qPCR Duplex ^E			RT-qPCR Duplex ^{RdRp}		
Gene	IC	RdRp	E	N		IC	E	RdRp		IC	E		IC	RdRp	
Fluorophore	Cy5 - control	FAM	Texas Red	VIC	Outcome	HEX - Control	Cal Red 610	FAM	Outcome	HEX - Control	Cal Red 610	Outcome	HEX - Control	FAM	Outcome
Ct	27,04	13,96	13,67	13,31	+	36,53	14,03	18,17	+	33,71	15,15	+	25,09	19,31	+