

Reagent test – Japan NIID primer set

Template: Synthesized RNA 5–5,000 copies, NTC n = 2
 Primer/probe: Japan NIID set
 Instrument: Thermal Cycler Dice™ Real Time System III (Takara)

Gene	Init. Qty	Ct (Cp) Threshold: 5				
		Cat. # RR064	Cat. # RR600	Cat. # RR601	Cat. # RR650	Cat. # RR651
N	NTC	--	--	--	--	--
	NTC	--	--	--	--	--
	5	39.53	38.13	39.65	--	41.51
	5	--	39.61	39.86	39.82	41.6
	50	37.52	36.85	36.7	36.17	38.48
	50	37	36.46	36.98	36.63	38.93
	500	33.87	33.92	33.96	33.44	34.77
	500	34.05	33.47	34.22	33.51	34.97
	5,000	30.76	30.65	30.85	30.28	31.71
	5,000	30.52	30.62	30.95	30.27	31.33

Detection of SARS-CoV-2 using two different targets in the N gene (N and N2) with our one-step RT-qPCR kits. These data were generated by Takara Bio using publicly available protocols and the validated primer set from the Japan NIID. Use of our products in these protocols has not been validated by external agencies nor optimized by our R&D team. These data are provided for illustrative purposes only. Please refer to published literature for more information about these protocols.

Gene	Init. Qty	Ct (Cp) Threshold: 5				
		Cat. # RR064	Cat. # RR600	Cat. # RR601	Cat. # RR650	Cat. # RR651
N2	NTC	--	--	--	--	--
	NTC	--	--	--	--	--
	5	39.44	37.1	37.6	38.49	39.44
	5	38.5	36.9	37.13	37.24	37.55
	50	34.84	34.46	34.74	34.28	35.19
	50	34.67	34.15	34.27	34.27	35.72
	500	31.07	30.97	31.19	31.03	31.91
	500	31.09	31	30.98	30.97	31.8
	5,000	28.14	27.77	27.83	27.59	28.65
	5,000	28.08	27.73	27.89	27.65	28.7

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