

Reagent test – US CDC primer set

Template: Synthesized RNA 5.00E+00–5.00E+04 copies, NTC n = 2
 Primer/probe: US CDC set
 Instrument: Thermal Cycler Dice™ RealTime System III (Takara)

Gene	Init. Qty	Ct (Cp)				
		Cat. # RR064	Cat. # RR600	Cat. # RR601	Cat. # RR650	Cat. # RR651
N1	NTC	--	--	--	--	--
	5.00E+00					
	5.00E+01	34.63	35.14	35.37	36.05	35.94
		34.63	35.18	35.23	36.38	35.78
	5.00E+02	31.49	31.85	31.82	33.34	33.48
		31.36	31.90	31.63	33.33	33.45
	5.00E+03	28.92	29.08	28.97	30.71	30.74
5.00E+04	25.37	25.74	25.53	27.06	26.96	
N2	NTC	--	--	--	--	--
	5.00E+00	39.37	36.76	38.02	38.18	38.65
		39.69	38.39	38.21	38.53	38.79
	5.00E+01	40.28	35.63	35.51	36.33	36.74
		37.74	35.15	35.74	36.38	37.09
	5.00E+02	35.41	32.87	33.16	33.92	34.36
		35.00	32.91	33.12	34.00	34.29
5.00E+03	31.81	29.56	29.75	30.72	31.04	
5.00E+04	28.18	26.03	26.24	27.36	27.27	
N3	NTC	--	--	--	--	--
	5.00E+00	39.74	38.33	38.22	39.55	40.73
		36.76	38.36	39.12	39.99	42.87
	5.00E+01	35.16	35.99	36.51	38.34	38.54
		35.30	36.21	35.58	37.11	38.80
	5.00E+02	33.57	32.59	32.86	34.11	34.43
		32.35	32.53	32.70	33.63	34.79
5.00E+03	29.08	29.41	29.61	30.52	31.35	
5.00E+04	25.90	26.23	26.34	27.04	27.71	

Detection of SARS-CoV-2 using three different targets in the N gene (N1, N2, and N3) 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 US CDC. 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.

Takara Bio USA, Inc.

United States/Canada: Inside_Sales@takarabio.com or +800.662.2566 • Asia Pacific: +1.650.919.7300 • Europe: +33.(0)1.3904.6880 • Japan: +81.(0)77.565.6999

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