

GENOMTEC 

Genomtec® SARS-CoV-2 RT-LAMP/N Laboratory Kit
Catalogue Number GA00A

A qualitative Reverse Transcription Loop-Mediated Isothermal Amplification assay detecting SARS-CoV-2 RNA (encoding gene N) in throat swab and nasopharyngeal swab specimens.



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GA00Ar1

Storage, shipping & stability

Reagent	Quantity	Volume	Part Number	Storage condition	Shipping condition	Shelf life
Detection Mix	1 vial	750µl	0AM	-22°C to -15°C	Dry ice	3 months
Inhibition Control Mix	1 vial	750µl	0AH	-22°C to -15°C	Dry ice	3 months
Positive Control	1 vial	40µ	0AC	-22°C to -15°C	Dry ice	3 months
DNase/RNase-Free Distilled Water	1 vial	1000µl	00D	-22°C to -15°C	Dry ice	3 months

(Reaction mixes [Detection Mix and Inhibition Control Mix] are stable for three thaw-freezing cycles).

Reaction plate set-up

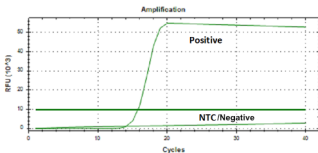
Reagent	Analyte	Internal control	Positive control	Negative Control
Genomtec® SARS-CoV-2 Assay Mix	15µl	-	15µl	15µl
Genomtec® SARS-CoV-2 Internal Control Mix	-	15µl	-	-
Sample RNA	5µl	5µl	-	-
Genomtec® SARS-CoV-2 Positive Control	-	-	5µl	-
DNase/RNase-Free Distilled Water	-	-	-	5µl
Total volume	20µl	20µl	20µl	20µl

The PCR instrument must operate on 20 µl volume in a PCR tube / multi-well plate. The real time PCR instrument must detect fluorescence in FAM (green) channel.

Real time PCR instrument settings

Step	Temp. (°C)	Time (sec.)	Cycle
Amplification 1	62	30	Repeat 30
Amplification 2	62	30	

To interpret results of the assay please follow the guidance presented in Table 3, Section 8 of IFU. IFU can be downloaded from <http://genomtec.com/support>



Example of standard S-curves for positive and negative samples, and the threshold.

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