

GENOMTEC

Genomtec® SARS-CoV-2 EvaGreen® Direct-RT-LAMP CE- IVD Kit
Catalogue Number GA00C

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



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GA00C

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Storage, shipping & stability

Reagent	Quantity	Volume	Part Number	Storage condition	Shipping condition	Shelf life
Genomtec® SARS-CoV-2 AmpMix	1 vial	1780µl	0CM	-22°C to -15°C	Dry/wet ice	6 months
Genomtec® SARS-CoV-2 Duo-PrimerMix	1 vial	137µl	0CH	-22°C to -15°C	Dry/wet ice	6 months
Genomtec® SARS-CoV-2 C-PrimerMix	1 vial	137µl	0CJ	-22°C to -15°C	Dry/wet ice	6 months
Genomtec® SARS-CoV-2 Control +	1 vial	40µ	0CC	-22°C to -15°C	Dry/wet ice	6 months
Genomtec® SARS-CoV-2 LysBuffer	1 vial	11ml	0CL	5 ± 3°C	wet ice/ ambient	6 months
DNase/RNase-Free Water	1 vial	1000µl	0CD	-22°C to -15°C	Dry/wet ice	6 months

Amplification Mix and Primers are stable for at least three thaw-freezing cycles.

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Reaction plate set-up

Reagents	SARS-CoV-2	Inhibition control (IC)	Positive control	Negative control SARS-CoV-2	Negative human control
Genomtec® SARS-CoV-2 AmpMix	16,25 µl	16,25 µl	16,25 µl	16,25 µl	16,25 µl
Genomtec® SARS-CoV-2 Duo-Primers	2,5 µl	-	2,5 µl	2,5 µl	-
Genomtec® SARS-CoV-2 C-Primers	-	2,5 µl	-	-	2,5 µl
Lysate - aqueous phase	6.25 µl	6.25 µl	-	-	-
Genomtec® SARS-CoV-2 Control+	-	-	6.25 µl	-	-
Water DNase/RNase free	-	-	-	6.25 µl	6.25 µl
Total volume	25 µl	25 µl	25 µl	25 µl	25 µl

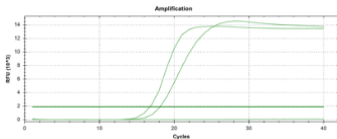
The PCR instrument must operate on 25 µl volume in a PCR tube / multi-well plate. The real time PCR instrument must detect fluorescence in FAM (green) channel.

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Real time PCR instrument settings

Step	Temp. (°C)	Time (sec.)	Cycles/repeats
Amplification 1	64	30	40
Amplification 2	64	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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