

INOGene-SCOV-2 RT-qPCR (Covid-19) Detection Kit

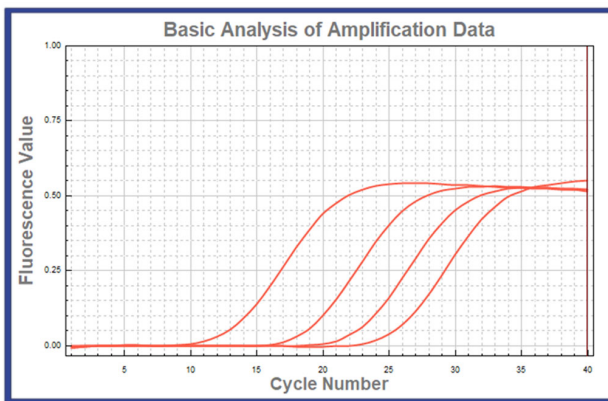
Covid-19 Multiplex RT-qPCR Detection Kit, developed at Inovia Technology Laboratories, has specifically designed oligonucleotides that target gene regions that are not impacted by mutation, allowing it to detect SCov-2 variants that have surfaces thus far, including the Omicron variant.

The probes of SARS-CoV-2 RDRP and E genes in the kit are labeled with FAM and CY5 fluorophores, respectively, while the probe of RNase P gene is labeled with HEX fluorophore as an internal control. The kit performs virus screening and extraction control in the same well in a multiplexed manner.

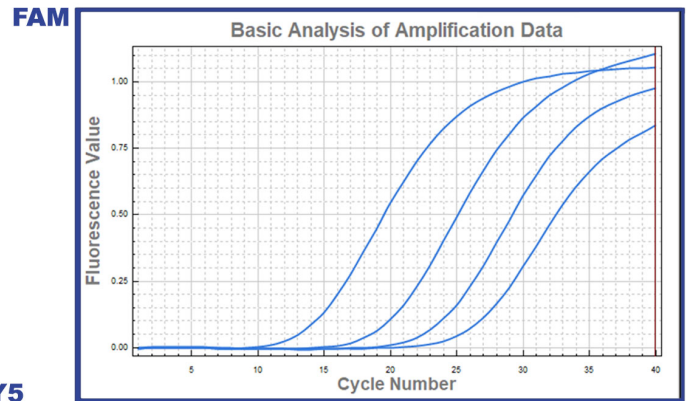
It is possible to control the quality of the oligonucleotides and detect possible contamination during the analysis using the reaction mix, primer-probe mix, positive control and negative control tubes provided in the kit.

Two types of packages are prepared as 100 reactions and 500 reactions and you can select the one that best suits your needs.

Furthermore, the kit's optimizations have been performed in the INOVIALAB GenX-4, Biorad CFX96, and Roche LC480, etc and results can be acquired until 47 minutes.



CY5



FAM

No.	Component	Composition	Volume (100 rxn)	Volume (500 rxn)
1	One-Step Enzyme Mix	Taq Polymerase, RT, RI, Buffer	1050ul	5250ul
2	Reaction Mix	Primer-Probe Mix, E, RDRP and Rnase P	325ul	1550ul
3	Negative Control	Nuclease-free water	400ul	1650ul
4	Positive Control	Plasmid	40ul	200ul



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