SARS-CoV-2 Molecular Diagnosis

BEYOND BIOTECHNOLOGY
BEYOND DISEASE

AddMedi SARS-CoV-2 RT-qPCR Kit

Detection of SARS-CoV-2 virus through one-step real-time polymerase chain reaction from human respiratory samples.

- **All components for diagnosis**
  Reaction Buffer, Enzyme Solution, Primer/Probe Mixture, Positive Control and Negative Control
- **UNG system for protection of contamination**
  For protection the contamination during test
- **Use Specific Primer/Probe**
  Without cross reaction with human respiratory viruses
- **Highly stable RT-qPCR Kit**
  More than 1 year 6 months
- **Fast and reliable results in less than 2 hours**
- **Double target assay**
  S gene, RdRp gene and IPC
- **CE IVD marked**
- **Detection all variants like UK, South Africa, Brazil and Japan mutations**

FOR BETTER HEALTH CARE addbio MEDITEK
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CE IVD

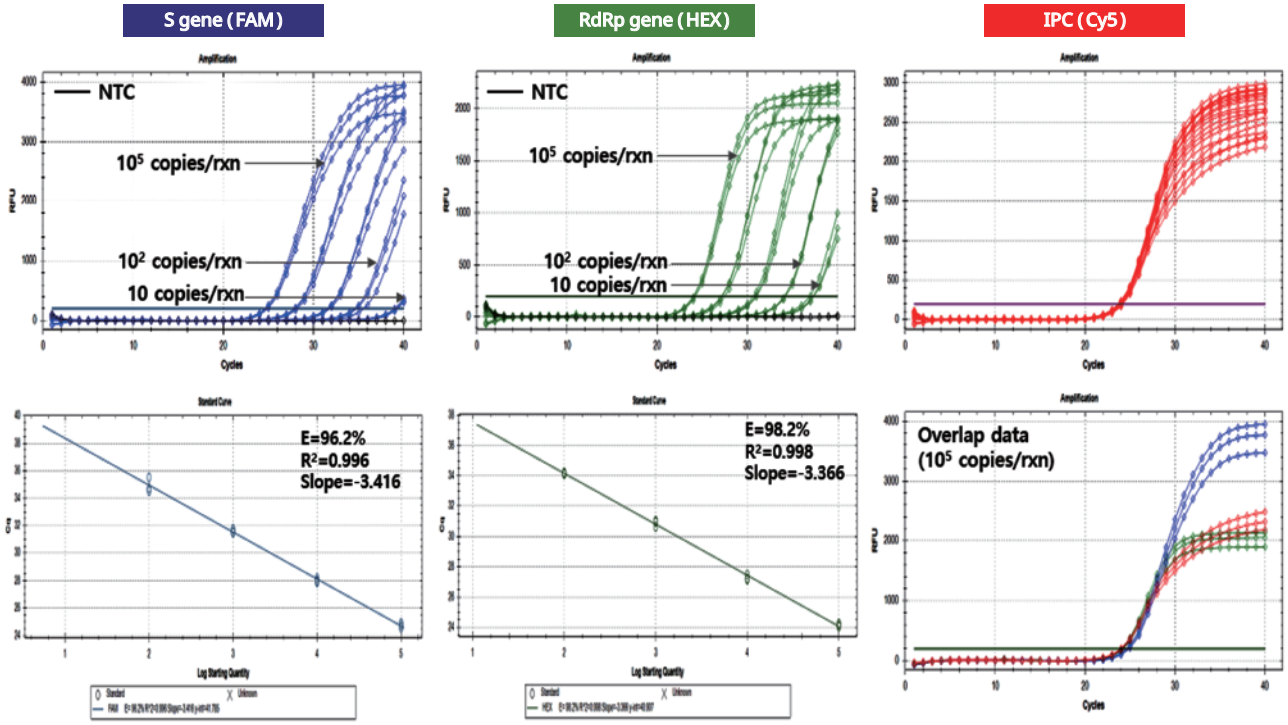
AddMedi
SARS-CoV-2 RT-qPCR Kit

APPLICATIONS

Oropharyngeal and nasopharyngeal swab, Tracheal aspirates and saliva

PERFROMANCE

Sensitivity : 96.00%,
Specificity : 100.00% in 80 Samples (50 Positive, 30 Negative)
Limit of Detection : 50.0 copies/reaction for both S and RdRp gene targets



DETECTION OF NEW SARS-COV-2 VARIANTS

FDA announced (updated 8 Jan 2021) that the mutation in S-gene may cause some RT-PCR assays targeting the S gene to produce a negative result (S-gene target failure). Whereas, the primer/probe used in our diagnosis kit is located in highly conserved site, so can detect all new variants without false negatives.

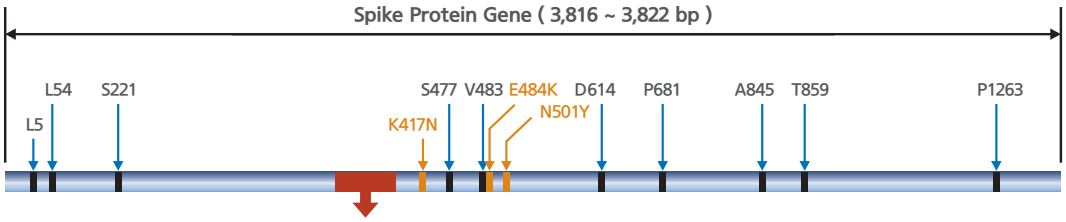


Fig. 1. Distribution of the number of mutations at mutation sites in the spike protein sequence.
The top 10 mutation sites according to the total number of occurrences were; D614(7859), L5(109), L54(105), P1263(61), P681(51),S477(47), T859(30), S221(28),V483(28), A845(24). In South Africa, another variant of SARS-CoV-2 emerged during October 2020. This variant has multiple mutations in the spike protein, including K417N, E484K, N501Y.

INFORMATION OF PRODUCT

Product Name	Cat. No.	Content
AddMedi SARS-CoV-2 RT-qPCR Kit	ADM-SC100	100 tests

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