



**Infectious Diseases - RT-qPCR Kit**  
Respiratory Multiplex & Covid -19

# Respiratory Multiplex RT- PCR Kit

## Assay Features

- Simultaneous quantitative detection of SARS- CoV-2, Influenza A, Influenza B, and RSV A/B and Internal control (IC) gene
- Extracted RNA samples from upper or lower respiratory tract can be used
- Ready-to-use lyophilized master mix

## Specificity

- No detectable cross reactivity with any of the human coronavirus strains and other respiratory pathogens

## Sensitivity

- Capable of detecting variants of concerns of SARS -CoV-2 including omicron
- Detection of very low viral loads as little as 0.6–5 copies/μl of viral RNA

## Key Features

Sensitivity	100 %
Specificity	100 %
Processing time	1.5 hours
Compatibility	Real-time PCR Instruments with a minimum of 5 measurement channels (FAM, HEX, Texas Red, CY5.5 and CY5)
Validated in	Bio-Rad CFX96, Bio-Rad CFX Opus and Applied Biosystems QuantStudio 5
Shelf Life	12 months

## Kit Content & Storage

Ready-to-use reagents (Storage at -20°C):

- Respiratory Reaction mix
- Respiratory Primer-Probe mix
- Respiratory Positive control
- Respiratory Negative control

## Ordering Information:

100 Reactions Kit	8100532
500 Reactions Kit	8100533



# COVID-19 Real-Time Multiplex RT-PCR Kit

## Assay Features

- Simultaneous detection of 3 specific COVID-19 genes ORF1ab, N & E besides internal control
- Able to detect most of variants of concerns (Omicron including BA.4)
- Low virus load detection:  $\geq 1.1$  copies/ $\mu$ l
- Compatible with multiple Real-Time PCR Instruments

## Specificity

- No detectable cross reactivity with most human Coronavirus strains, respiratory pathogens, etc

## Sensitivity

- Wider range of COVID-19 strains covered to detect most mutations (mutation variants)
- Tested and certified raw material with an optimal assay design to achieve low detection levels

## Key Features

Sensitivity	100 %
Specificity	100 %
Processing time	1 hour
Compatibility	ABI Prism 7500/7900 (Life Technologies), CFX96 (Bio-Rad), Rotor-Gene 6000 (Qiagen)
Shelf Life	24 months

## Kit Content & Storage

Ready-to-use reagents (Storage at -20°C):

- Covid-19 Reaction mix
- Covid-19 Primer Probe Mix
- Covid-19 Positive control
- Covid-19 Negative control

## Ordering Information:

100 Reactions Kit	8100512
500 Reactions Kit	8100513





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