

Human Respiratory Virus Detection Kit

-Detection 18 kinds of respiratory virus

Fluorescent Probe-Based Real-Time PCR Assay

Respiratory virus infection is one of the main causes of human morbidity and death worldwide. In acute respiratory infections, the positive rate of the adult virus is about 61.8%, and that of children is 46.6%-66.9%. Respiratory viruses have the characteristics of strong infectivity, rapid spread, short incubation period, and rapid onset, which cause great difficulties in the prevention, control and monitoring of respiratory infectious diseases.

The etiology of respiratory infectious diseases is complex, and accurate etiological analysis is not only the basis for diagnosis but also provides reliable help for the early prevention and control and effective monitoring of the disease.

Testing Principle

Multiple fluorescent PCR was used to detect 18 respiratory virus nucleic acids in human nasopharyngeal swabs and sputum samples with different fluorescent probes simultaneously in one experiment.



Test Items

Detection channel/ respiratory virus	I	II	III	IV	V	VI
FAM	Respiratory syncytial virus	Influenza A	Coronavirus OC43	Parainfluenza virus 1	Measles virus	EB virus
VIC	Human metapneumovirus	Influenza B	Coronavirus NL63	Parainfluenza virus 2	Coronavirus	Cytomegalovirus
ROX	Rhinovirus RHV	Enterovirus	Coronavirus 229E	Parainfluenza virus 3	Bocavirus	Adenovirus
CY5	Positive Control I	Positive Control II	Positive Control III	Positive Control IV	Positive Control V	Positive Control VI

Product Features

Wide Coverage

This product can totally detect 18 kinds of respiratory viruses.

Accept Customization

Accept personalized customization.

Accurate Results

Quality control system can prevent false negatives, and the results are more reliable.

Good Performance

High sensitivity, strong specificity, stable performance, and good detection repeatability.

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P /3005P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Funglyn Biotech FTC 3000 Real-Time PCR System
- Other Real-Time Thermal Cyclers which could detect FAM, VIC(HEX) , ROX and CY5 simultaneously

Nucleic Acid Extraction

- Magnetic Bead Method
- Spin column Method

Storage Condition

- $-(20\pm 5)^{\circ}\text{C}$
- 9 months

Ordering Information

Cat No.	Product Name	Sample Types	Specification	Certification
R231T050B0C0 R231T032B0C0	Human Respiratory Virus Detection Kit	Nasopharyngeal swabs, sputum, nasopharyngeal aspirate/lavage fluid, bronchial/alveolar lavage fluid	32 Tests/ Kit 50 Tests/ Kit	CE