

Multi Respiratory Pathogen Real Time PCR Detection Kit

-Detect 17 kinds of respiratory pathogens

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 17 respiratory pathogens nucleic acids in human oropharyngeal swabs with different fluorescent probes simultaneously in one experiment.



Test Items

Detection channel/ respiratory virus	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6
FAM	SARS-CoV-2	Respiratory Syncytial Virus	Enterovirus	Adenovirus	Epstein-Barr virus	Mycoplasma Pneumoniae
VIC	Influenza B virus	Rhinovirus	Human Metapneumovirus	Adenovirus 3	Bocavirus	/
ROX	Influenza A virus	Coronavirus	Human parainfluenza virus	Adenovirus 7	Bordetella pertussis	Legionella Pneumophila
Cy5	Internal Control	Internal Control	Internal Control	Internal Control	Internal Control	Internal Control

Product Features

Wide Coverage

This product can totally detect 17 kinds of respiratory pathogens.

High Sensitivity

The limit of detection is 500 copies-mL⁻¹.

Accurate Results

Internal control can prevent false negatives, make the results more reliable.

Lyophilized Package

Convenient to transportation.

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P /3005P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Hongshi SLAN-96P 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

Storage Condition

- 2-8℃
- 24 months

Ordering Information

Cat No.	Product Name	Sample Types	Specification	Certification
R23102T2024	Multi Respiratory Pathogen Real Time PCR Detection Kit	Oropharyngeal swabs	24 Tests/ Kit	CE