Mospire

NMPA CE-IVD

Mycoplasma pneumoniae and Macrolide-Resistant Strains Nucleic Acid Test Kit

Fluorescent Probe-Based Real-Time PCR Assay

M. pneumoniae is a common pathogen of respiratory tract infections in adolescents and the elderly. It can cause *Mycoplasma pneumonia*, upper respiratory tract infection, bronchitis, pulmonary abscess, autoimmune hemolytic anemia, etc. In severe cases, it can even lead to death.

Treatment of *M. pneumoniae* pneumonia with macrolides is widespread, the Macrolide-Resistant *Mycoplasma pneumoniae* infected may lead to delay of appropriate antibiotic treatment. Delayed appropriate antimicrobial treatment, no matter macrolide resistance or not, is associated with more severe and/or prolonged diseases.



Test Principle

This kit uses polymerase chain reaction (PCR) based on TaqMan fluorescent probe technology to identify *Mycoplasma pneumoniae* (conserved domain of P1 gene) and macrolide-resistant mutations (A2063G and A2064G) in human swabs, sputum and bronchoalveolar lavage fluid samples.

Product Features

Complete Solution
From sampling to extraction to PCR analysis

Rapid Diagnosis
From sample to result in only 2 hours.

2-in-1 Detection
Detect MP and MRMP simultaneously in a single tube.

High Sensitivity
The limit of detection of the kit is 500 copies/mL.

Target Department

01 Pediatrics	02 General Pediatrics	03 Pulmonology	04 Geriatrics
05 Neonatology	06 Emergency Medicine	07 ICU	08 Infectious Diseases

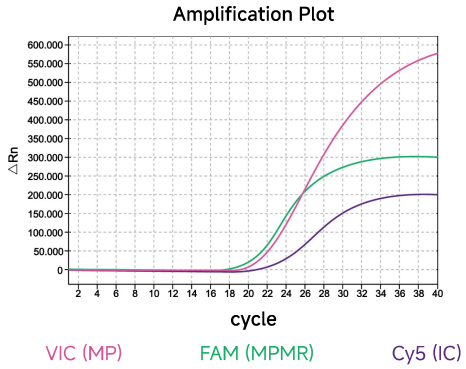
Clinical Significance

- Enhancing diagnostic efficiency and supporting early clinical warning of severe and refractory *Mycoplasma pneumoniae* pneumonia.
- Detecting drug-resistant mutation sites to facilitate timely, personalized treatment decisions for patients.

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P Real-Time PCR System
- Bio-Rad CFX96 Real-Time PCR System
- Other Real-Time Thermal Cyclers which can detect FAM, VIC/HEX and Cy5 simultaneously

Sample Results



Ordering Information

CE-IVD

Cat. No.	Product Name	Format	Sample Types	Shelf Life	Storage Temp.	Kit Size
R061T016B0C1	*Mycoplasma pneumoniae* and Macrolide-Resistant Strains Nucleic Acid Test Kit	Liquid	Sputum	12 months	-20±5°C	16 Tests/Box

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