

# **Mycoplasma Pneumoniae and Macrolides-Resistant Strain Nucleic Acid Test Kit**

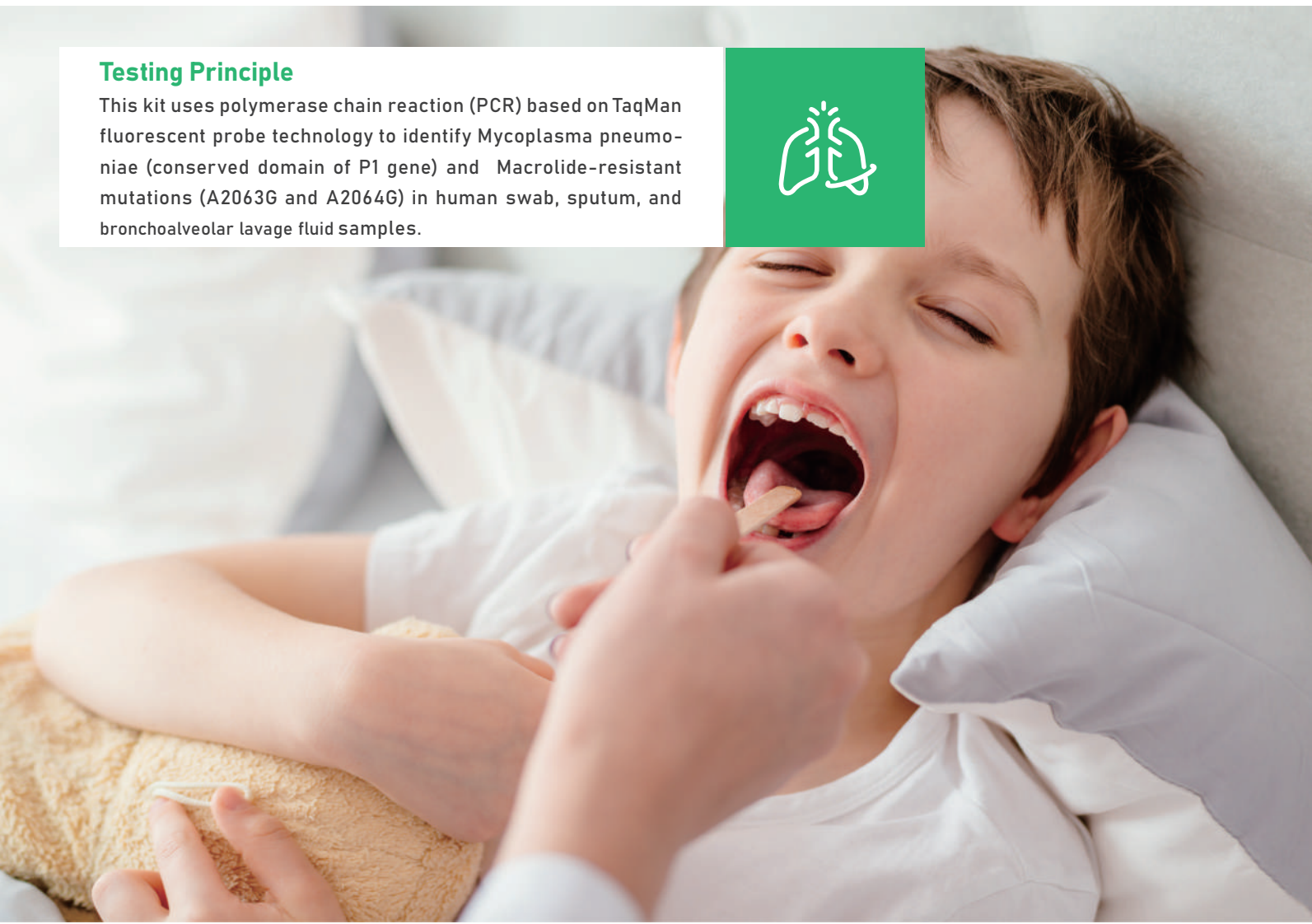
## **Fluorescent Probe-Based Real-Time PCR Assay**

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, pneumonia abscess, immune hemolytic anemia, etc. In severe cases, it can even lead to death.

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

### **Testing 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 swab, sputum, and bronchoalveolar lavage fluid samples.



## Product Features



### 2 in 1 Detection

Detect MP and MRMP simultaneously in a single tube.



### Rapid Diagnosis

From sample to result in only 2 hours.



### Complete Solution

From sampling to extraction to PCR analysis



### High Sensitivity

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

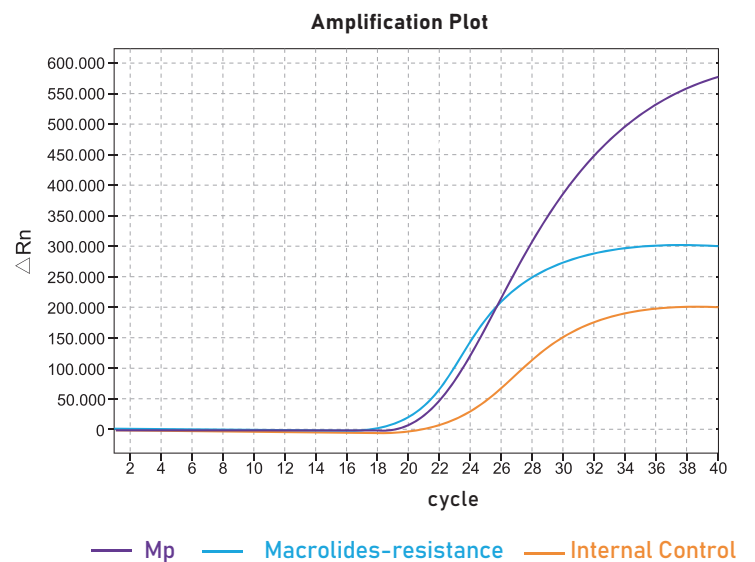
## Detection Significance

- ✓ 2 in 1 detection, 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
- BioRad CFX96 Real-Time PCR System
- Other Real-Time Thermal Cyclers which could detect FAM, VIC/HEX and CY5 simultaneously

## Sample Results



## Ordering Information

Cat No.	Product Name	Sample Types	Kit Size	Certification
R061T016B0C1	Mycoplasma Pneumoniae and Macrolides-Resistant Strain Nucleic Acid Test Kit	Sputum, oropharyngeal swabs and bronchoalveolar lavage fluid	16 Tests/ Kit	CE NMPA

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