

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

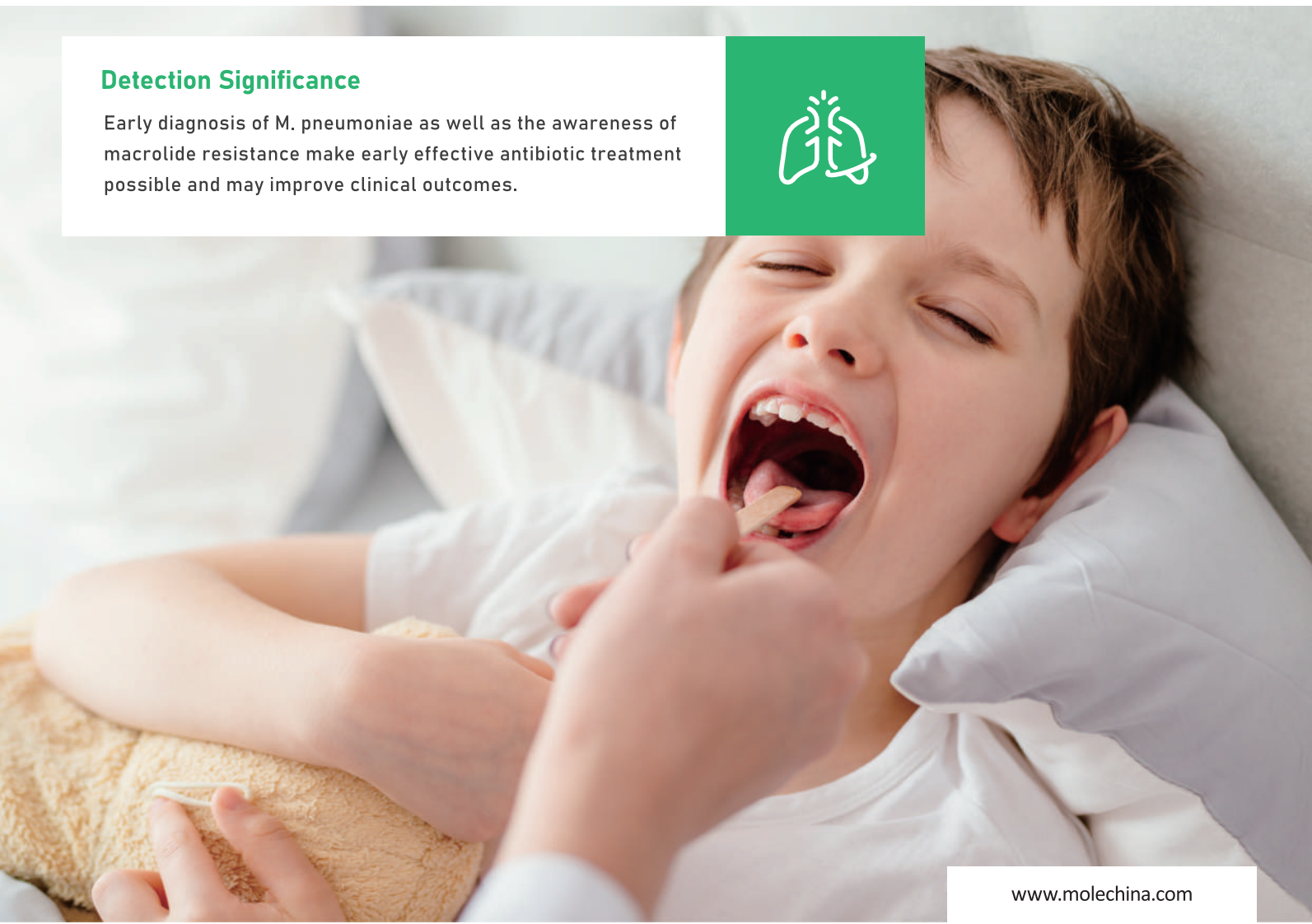
## Fluorescent Probe-Based Real-Time PCR Assay

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 anti-microbial treatment, no matter macrolide resistance or not, was associated with more severe and/or prolonged diseases.

### Detection Significance

Early diagnosis of M. pneumoniae as well as the awareness of macrolide resistance make early effective antibiotic treatment possible and may improve clinical outcomes.



## Product Features

### 2 in 1 Detection

Detects wild Mycoplasma pneumoniae and antibiotic resistant simultaneously in single tube.

### Rapid Diagnosis

Amplification time within 90 mins, the total testing time from sampling to report will be finished within 2 hours.

### High Specificity

Not observed reactivity with other pathogens after testing the same infection sites or cause similar symptoms.

### High Sensitivity

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

### Reliable Results

Internal control included in each tube monitoring whole testing processes and avoid false negative results.

### Anti-contamination

UNG/dUTP system minimizing the PCR contamination.

### Anti-interference

Blood or pus in the sample will not affect the test result.

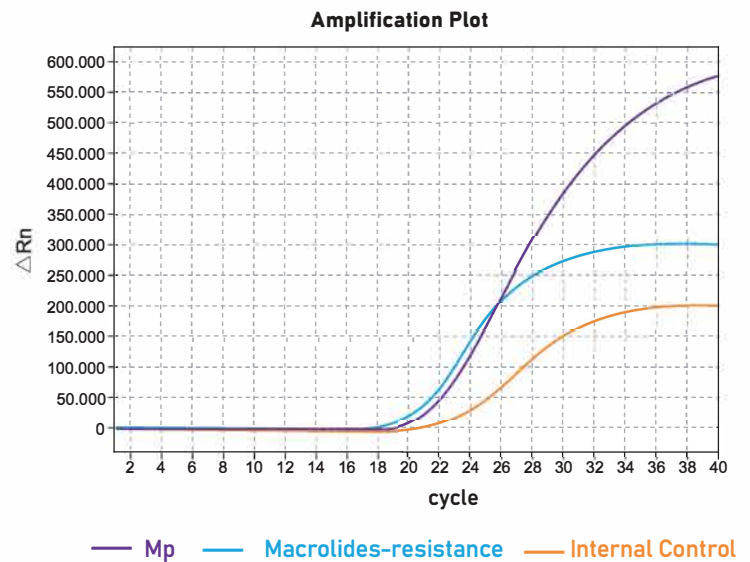
### Complete Solution

Providing compatible solution include sample collection and nucleic acid extraction with PCR test kit.

## 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, HEX and CY5 simultaneously

## Sample Results



## Ordering Information

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

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