

# Mycoplasma Pneumoniae (MP) Nucleic Acid Detection Kit

(Fluorescence PCR method)

Mycoplasma pneumoniae is a kind of microorganism between bacteria and virus, with no cell wall structure, which is facultative anaerobic and can live independently. It usually causes mild upper respiratory tract infections, such as sore throat, laryngitis, tracheitis and accounts for 50% of non-bacterial pneumonia.

Tianlong Mycoplasma Pneumoniae (MP) Nucleic Acid Detection Kit is used for qualitative detection of Mycoplasma pneumoniae nucleic acid in human sputum and oropharyngeal swab samples. This is suitable for the auxiliary diagnosis of mycoplasma pneumoniae.



## Features



### High Precision

The coefficient of variation of the Ct values (CV%) is less than 5%



### Internal Control

The use of internal control system in the kit can effectively prevent false negative results



### More Accessible

CE marked, accessible for more countries



### Quality Performance

Collocating with Tianlong nucleic acid extraction kit can make your experiment more accurate

## Ordering Information

|                      |   |         |
|----------------------|---|---------|
| Product Name         | Mycoplasma Pneumoniae (MP) Nucleic Acid Detection Kit (Fluorescence PCR method) |         |
| Cat.No               | P109H   | P181H   |
| Specification        | 32T/Kit   | 96T/kit |
| Specimen             | Human sputum or oropharyngeal swabs   |         |
| Sensitivity          | 500copies/ml  |         |
| Target Pathogene     | Mycoplasma Pneumoniae (MP)  |         |
| Storage & Validity   | -25°C~-15°C for 12 months   |         |
| Applicable Equipment | ABI7500 real time PCR systems, Tianlong Gentier 96E real time PCR system        |         |

## Data Interpretation

Figure 1: MP amplification curve

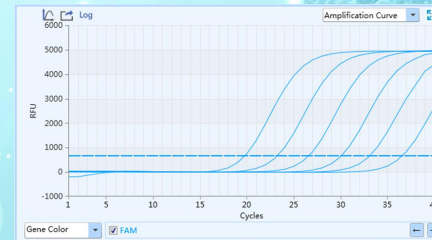
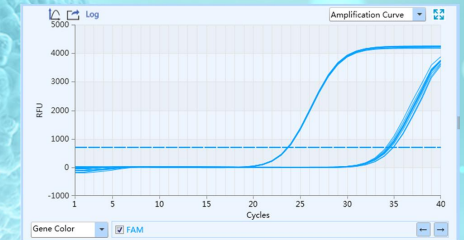


Figure 2: Low concentration MP repetitive amplification curve



\*MP positive standard: If the Ct value of FAM channel  $\leq 38.0$ , the sample is considered to be MP positive.

## Assay workflow

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



version 2.0

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