

Mycoplasma Pneumoniae Nucleic Acid Detection Kit (Fluorescent PCR)

■ Product Introduction

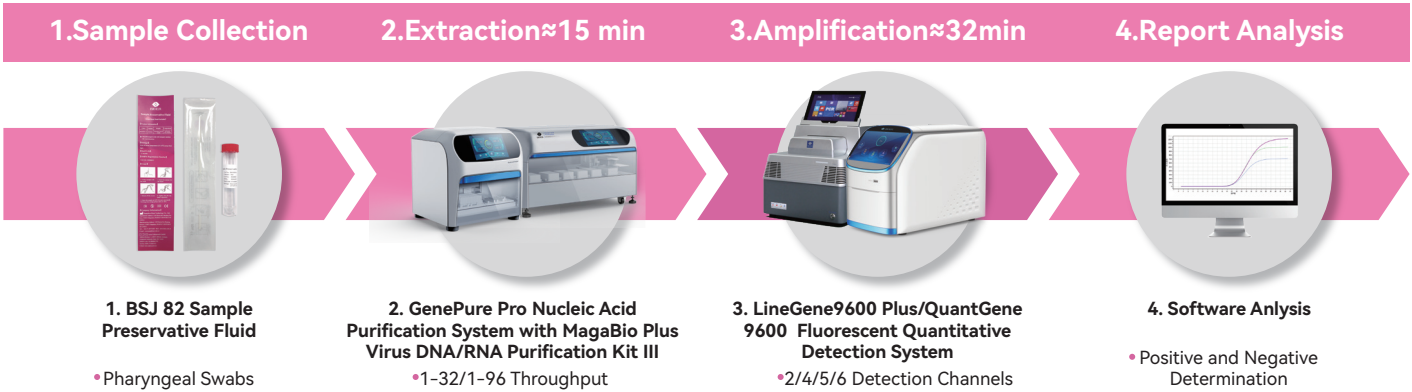
Mycoplasma pneumoniae, a cell wall-less bacterium, is a common cause of respiratory infections, particularly atypical pneumonia. Symptoms include persistent cough, fever, sore throat, headache, and general malaise. Due to the absence of a cell wall, it is resistant to common antibiotics like penicillins and cephalosporins. Our nucleic acid detection kit employs fluorescence RT-PCR technology, providing high sensitivity and specificity, rapid results, and early detection. This molecular method significantly reduces the time to diagnosis, enabling timely and appropriate treatment. The kit ensures precise identification of Mycoplasma pneumoniae, aiding in the correct use of antibiotics and preventing the spread of the infection, making it a vital tool for clinical laboratories. This kit is used for the qualitative detection of the Mycoplasma Pneumoniae (MP) in specimens of pharyngeal swabs from suspected cases. The kit is used for the auxiliary diagnosis and epidemiological surveillance of MP infection, cannot be used as the basis for the diagnosis or exclusion of cases alone.

■ Product Features

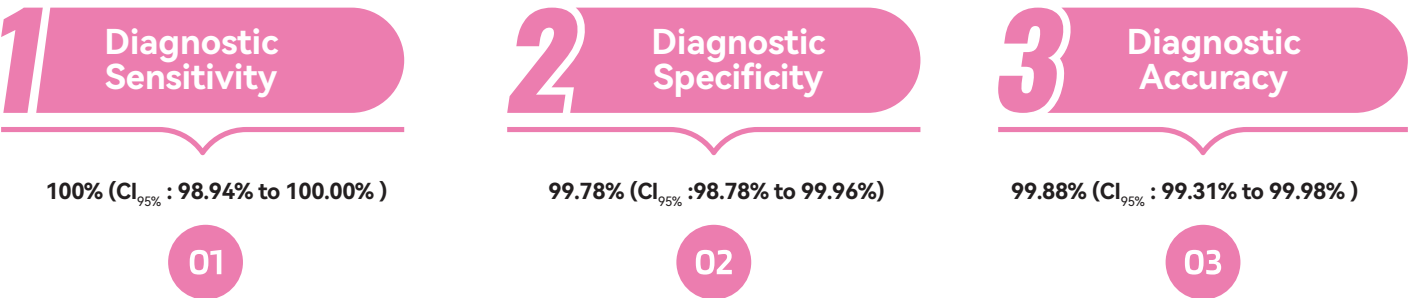
- **High Precision:** The coefficient of variation (CV) of Ct value of precision reference standard is below 5%, which fully meets the requirements of industry standards.
- **Ease of Use:** Features a straightforward protocol with minimal hands-on steps, reducing the risk of procedural errors and improving operational efficiency.
- **Contamination Prevention:** The incorporation of dUTP-UDG enzyme effectively prevents aerosol contamination and avoids false positive amplification.
- **Internal Control Included:** Incorporates an internal control to monitor the entire extraction and detection process, ensuring reliability and quality of the results.

Product Specifications

Sample Type	Pharyngeal Swabs
Limit of Detection (LoD)	200 copies/mL
Target Genes	p1 (FAM) region of Mycoplasma pneumoniae
Internal Control	RNaseP (CY5)
Precision	CV<5%
Compatible Platform	LineGene 9600 Plus (FQD-96A) , QuantGene 9600 (FQD-96C), Automated Nucleic Acid Purification and Real Time PCR System(FQD-A1600),Thermo Fisher ABI7500
Validated Extraction Kits	BSC86 MagaBio Plus Virus DNA/RNA Purification Kit III
Detection Time	32 min
Storage Condition	-25°C ~ -15°C away from light



Clinical Performance



Ordering Information

Product Name	Cat. No.	Package	Storage Condition
Mycoplasma Pneumoniae Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ09S1	24T	-25°C ~ -15°C away from light
	BSJ09M1	48T	
	BSJ09L1	96T	

For in vitro diagnostic use only.
For professional use only.



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TECHNOLOGY

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