

Respiratory Tract Infectious RNA RAPID Detection

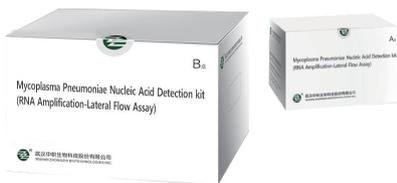
• Rapid • Accurate • Convenient

Influenza A/B Nucleic Acid Assay (RNA Amplification-Lateral Flow Assay)

Target: Flu A/B

Specimen Type: oropharyngeal swabs

Package: 30 tests/Box



Mycoplasma Pneumoniae (MP) Nucleic Acid Assay (RNA Amplification-Lateral Flow Assay)

Target: MP

Specimen Type: oropharyngeal swabs

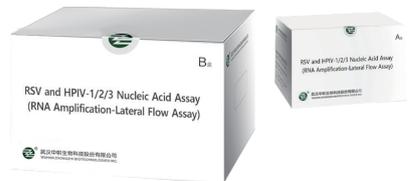
Package: 30 tests/Box

RSV AND HPIV-1/2/3/ Nucleic Acid Assay (RNA Amplification-Lateral Flow Assay)

Target: RSV, HPIV-1/2/3

Specimen Type: oropharyngeal swabs

Package: 30 tests/Box



ZBI' Patent RNA Nucleic Acid Detection

RNA Amplification – Lateral Flow Assay (RGT) is ZBI' s patent technology of RNA rapid detection. Cells directly lysis through cell preservation solution, then using RNA isothermal amplification and Lateral Flow Assay to detect pathogens RNA rapidly.

■ Advantages

Rapid	~1h to complete test.
High Efficiency	Directly lysis within cell preservation solution, simplify the process and reduce the risk of laboratory contamination.
Sample	The test can be carried out on conventional constant temperature instruments.
Early Detection	RNA nucleic acid detection of positive result reflects present infection.
Quality Control	Using 18srRNA as inner control to spy the samples' quality of the whole process.
High Sensitivity & Specificity	Graphs below show the performance of ZBI' s RNA rapid detection products.

By using Nested PCR Sequencing to evaluate the features of MP-RGT :

Methodology	No. of Samples	Sensitivity	Specificity	Positive Prediction	Negative Prediction
MP-RGT	100	100(54/54)	95.65(44/46)	96.43(54/56)	100(44/44)

Compared with Antigen colloidal gold, the sensitivity of RGT is over 1000 times higher.

Pathogens	Minimum Dilution		
	RGT—FluA/B	PCR-FluA/B	Immune colloidal gold technique- Single test
H1N1	10 ⁶	10 ⁶	5x10 ²
H3N2	10 ⁶	10 ⁶	10 ³
FluB	10 ⁶	10 ⁶	10 ³

■ Storage and Shelf Life

Box	Stored Temperature	Transport Temperature	Shelf Life
A	-40°C~-15°C	-40°C~-15°C	12 months
B	2°C~30°C	2°C~30°C	12 months

Manufacture and expiration dates are shown on the label.

■ Procedure and Equipment



1. Specimen Collection and Processing

Specimen Vortex



2. RNA Amplification

Specimen Amplification, temperature: 95°C and 42°C



3. Lateral Flow Assay

Amplification mixtures with 42°C



Wuhan Zhongzhi Biotechnologies INC.
Email: info@zhongzhibio.com
www.zhongzhibio.com