



*Bring Technology to Life*



# **Respiratory Multiplex Pathogens Nucleic Acid Detection Kit**

**(Fluorescence PCR Method; Freeze-dried)**

Symptoms of respiratory viral infection due to influenza, Adenovirus, and the respiratory syncytial virus can be similar and hard to differentiate. Tianlong Respiratory Multiplex Pathogens Nucleic Acid Detection Kit is for the qualitative detection and identification of 7&17 common respiratory pathogens in oropharyngeal swabs samples obtained from individuals suspected of respiratory tract infections.

This kit is intended to use on Tianlong Panall 8000 All-in-one Molecular Diagnosis System. It is a freeze-dried PCR kit and contains all the reagents necessary for successful RT-PCR amplification in a convenient individually aliquot and freeze-dried format in a specialized 8-strip PCR tube. It is stable at room temperature, and significantly reduces contamination risk, turnaround time, and transportation costs.



# FEATURES



## Simplified Workflow

Differential diagnostics of respiratory 7/17 pathogens from one sample in a single run



## High Sensitivity

The limit of detection is up to 200 copies/mL



## High Efficiency

Ready-to-use freeze-dried type, no need for freezing and thawing steps, pre-filled and no need for manual pipetting, thus improving your efficiency and consistency



## High Accuracy

Compatible with Tianlong Panall 8000 All-in-one Molecular Diagnosis System. Highly automated workflow removes manual work and ensures high accuracy results



## High Precision

The precision values of intra and inter Ct values were all  $\leq 5\%$



## Stable and Convenient

Freeze-dried type, stable at room temperatures, significantly reduces transportation costs, and avoids contamination



## Anti-contamination Design

Designing with the liquid paraffin in the reagents can prevent evaporation during the reaction and reduce the contamination risks

# TESTING MENU

Respiratory Infections	Target Pathogen
Respiratory 7 Types Pathogen Multiplex Nucleic Acid Detection Kit	FluA, FluB, RSV, ADV, HRV, HPIV (1/2/3) and MP
Respiratory 17 Types Pathogen Multiplex Nucleic Acid Detection Kit	FluA, FluA/H1, FluA/H3, FluB, RSV, ADV, HRV, HPIV1, HPIV2/4, HPIV3, CP, MP, CorHKU1/OC43, CorNL63/229, HMPV, HBoV and SARS-CoV-2





# RESULT ANALYSIS



Figure 1: Result analysis on Panall 8000



Figure 2: Positive standard amplification curve

## APPLICABLE INSTRUMENT

Product Name	Sample Throughput	Fluorescence Channels	Certification
Tianlong Panall 8000 All-in-one Molecular Diagnosis System	8	4	CE/FDA



- ✓ Simple
- ✓ Secure
- ✓ Safe

**Sample in -result out system**

***Simplified workflow with only one key operation. Fewer steps but high quality results you can rely on.***

## ORDERING INFORMATION

Product Name	Respiratory 7 Types Pathogen Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)	Respiratory 17 Types Pathogen Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)
Cat.No	P763H	P764H
Specification	24T/Kit (Freeze-dried)	24T/kit (Freeze-dried)
Specimen	Oropharyngeal swab	
Sensitivity	200 copies/mL	
Precision	≤5%	
Storage & Validity	2-30°C for 12 months	
Compatible Extraction Kit	T373H-Tianlong Viral DNA and RNA Extraction Kit (Panall 8000 MD System, Pre-filled)	T340H-Tianlong Viral DNA and RNA Extraction Kit (Panall 8000 MD System, Pre-filled)

