

# Human Adenovirus (Ad) Nucleic Acid Detection Kit (Fluorescence PCR Method)

Human Adenovirus (HAdV) is an unenveloped icosahedral double-stranded DNA virus that is classified into seven HAdV species (HAdV-A ~ G), including more than 64 serotypes.

HAdV is an important opportunistic pathogen that can infect people of all ages. Different serotypes of HAdV have different disease profiles and can cause a variety of viral diseases, including acute respiratory tract infection, Epidemic keratoconjunctivitis (EKC), urinary tract infection, pharyngeal conjunctivitis, and gastroenteritis.

Tianlong Human Adenovirus (Ad) Nucleic Acid Detection Kit is intended for the qualitative detection of Adenovirus nucleic acid by Real-time Polymerase Chain Reaction (Real-time PCR) method.

## FEATURES



### Reliable Detection

Detection of all known Human Adenovirus (Ad) serotypes



### Various Specimen

Nasopharyngeal, oropharyngeal swabs, human serum, rectal swabs or stool samples



### Good Compatibility

Widely applicable in instruments with FAM, Cy5 or more fluorescence channels



### High Precision

The precision values of intra and inter Ct values were all <5%



### More Accessible

CE marked, accessible for more countries

## ASSAY WORKFLOW



## DATA INTERPRETATION

Figure 1: Gradient concentration Ad amplification curve

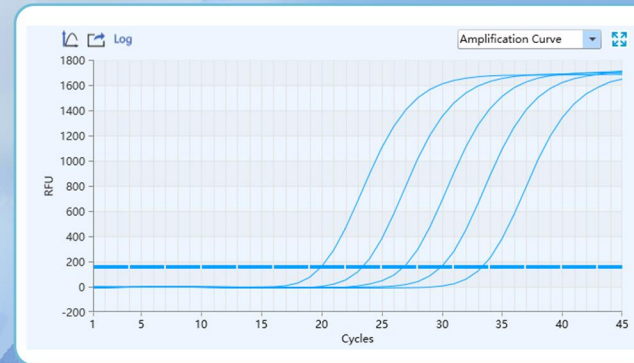
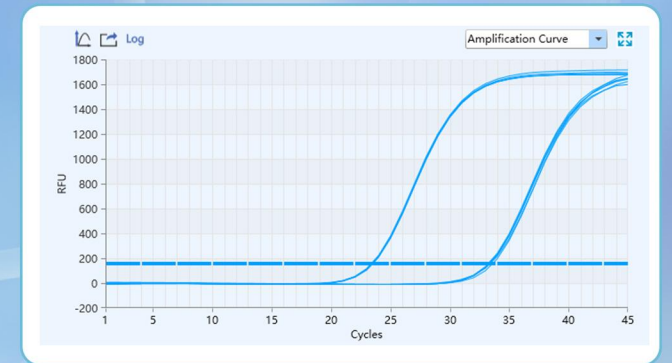


Figure 2: High concentration and low concentration Ad repetitive amplification curve



## SPECIFICITY

PCR specificity has been evaluated on various viruses and bacteria. This kit can detect Human Adenovirus (Ad), and has no cross reaction with other pathogens.

Strain	Human Adenovirus (Ad) Nucleic Acid Detection Kit (Fluorescence PCR Method)
<b>Specificity</b> Diarrhoeal Escherichia coli, Salmonella, Shigella 1, Campylobacter jejuni, Rotavirus, Calicivirus, Astrovirus; Intestinal tract virus coxsackie A16, Intestinal tract virus 71 Influenza A (Flu A), Influenza B (Flu B), Respiratory Syncytial Virus (RSV), Human Rhinovirus (HRV), Human Parainfluenza Virus (HPIV), Mycoplasma Pneumoniae (MP)	Not detected

## ORDERING INFORMATION

Product Name	Human Adenovirus (Ad) Nucleic Acid Detection Kit (Fluorescence PCR Method)	
Cat.No	P022H	P522H
Specification	25T/kit	50T/kit
Specimen	Nasopharyngeal, oropharyngeal swabs, human serum, rectal swabs or stool samples	
LOD	500copies/ml	
Target Pathogene	Human Adenovirus (Ad)	
Storage & Validity	-25°C~-15°C for 12 months	
Applicable Equipment	Instruments with FAM, Cy5 channels such as Tianlong Gentier Real-time PCR Systems and Applied Biosystems™ 7500 Real-Time PCR Systems	

