

# EB Virus Nucleic Acid Detection Kit

(Fluorescent PCR Method)

EBV belongs to the genus of herpesvirus gamma subfamily Lymphocytovirus, also known as human herpesvirus type 4. It's one of the most common viruses to infect people around the world.

EBV spreads most commonly through bodily fluids, especially saliva. So it is also known as "the kissing disease". It's very rare for the disease to spread through blood or other bodily fluids. Diseases caused by EBV include infectious mononucleosis, African childhood lymphoma (Burkitt lymphoma), and nasopharyngeal carcinoma.

The kit is used for in vitro quantitative detection of EBV nucleic acid in human whole blood samples. It is suitable for the auxiliary diagnosis of EBV infection. The test results of this kit are for clinical reference only and cannot use as the basis for diagnosis or exclusion of cases.



## FEATURES



### Accurate Viral Load Quantification

Detection and quantification of Epstein-Barr Virus (EBV also known as Human herpesvirus 4) specific DNA



### Wide Linear Range

Accurate EBV viral load quantification over a wide linear range, the linear correlation coefficient of quantitative detection for 4 quantitative standards is  $|r| \geq 0.98$



### Internal Control

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



### User-friendly

Widely applicable in instruments with FAM, VIC (HEX) fluorescence channels



### More Accessible

CE marked, accessible for more countries

## DATA INTERPRETATION

Figure 1: Gradient concentration EB amplification curve

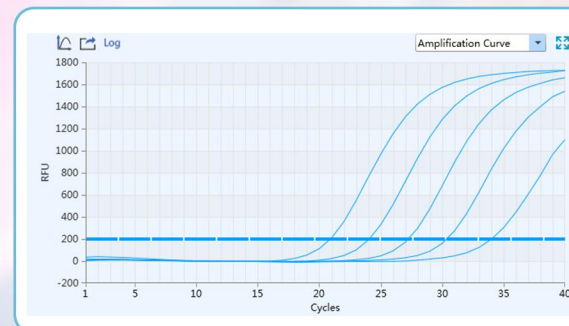
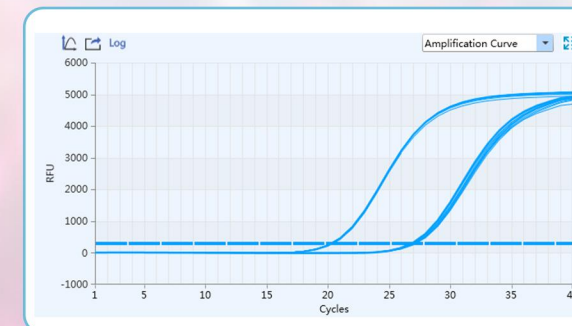


Figure 2: High concentration and low concentration EB repetitive amplification curve



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

## ORDERING INFORMATION

<b>Product Name</b>	EB Virus Nucleic Acid Detection Kit (Fluorescence PCR method)	
<b>Cat.No</b>	P110H	P177H
<b>Specification</b>	32T/Kit	96T/kit
<b>Specimen</b>	Whole blood	
<b>Linearity</b>	$ r  \geq 0.98$	
<b>Sensitivity</b>	500 copies/mL	
<b>Precision</b>	$\leq 5\%$	
<b>Storage &amp; Validity</b>	-25°C ~ -15°C for 12 months	
<b>Applicable Equipment</b>	Instruments with FAM, VIC (HEX) fluorescence channels such as ABI7500 real time PCR systems and Tianlong Gentier Real-time PCR Systems	

## ASSAY WORKFLOW

