

# Hepatitis B Virus Nucleic Acid Detection Kit

(Fluorescence PCR Method)

This kit is used for the quantitation of hepatitis B virus (HBV) in human serum samples. HBV is a DNA virus, also called Dane particle, that can cause both acute and chronic infection. The HBV DNA quantitative detection technology makes us understand infectivity and in vivo replication more directly. The positive result of HBV-DNA is the most reliable indicator of replication and an important indicator of infection state and therapeutic effect.

This kit is only used for monitoring the level of HBV replication and is applicable for patients with hepatitis B who receive antiviral therapy. It cannot be used for blood screening. The result should not be used as the sole criterion for disease evaluation. It should be used in conjunction with clinical manifestation and other detection methods for comprehensive disease evaluation.

## Features



### Wide Coverage

Concurrently detects HBV A/B/C/D



### High Sensitivity

Lower limit of detection is 10IU/ml, limit of quantitation is 30IU/ml



### 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 and VIC channels



### High Precision

The coefficient of variation of the Ct values (CV%) is less than 5%

## Data Interpretation

Figure 1: Gradient concentration HBV amplification curve

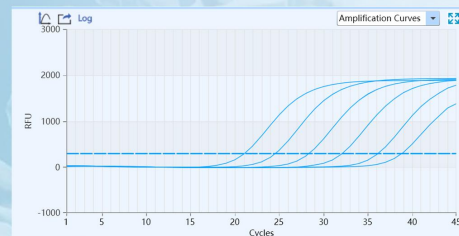
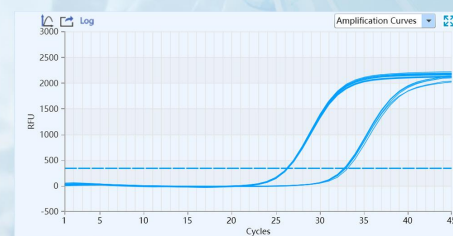


Figure 2: High concentration and low concentration HBV repetitive amplification curve



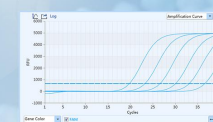
Positive: If HBV DNA  $\geq 10\text{IU/m}$ , the sample should be positive

## Ordering Information

Product Name	Hepatitis B Virus Nucleic Acid Detection Kit(Fluorescence PCR Method)
Cat.No	P101H
Specification	32T/Kit
Specimen	Serum
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM and HEX/VIC channels, such as ABI7500 real time PCR systems, Tianlong Gentier real time PCR systems

## Assay workflow

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



version 2.0

All rights reserved by Tianlong. August 9, 2022



**Tianlong Science and Technology**

Email: inquiry@medtl.com

Phone: 86 029 82682132

website: www.tlgenetech.cn

Address: No. 389 Zhuhong Road, Xi'an, China