

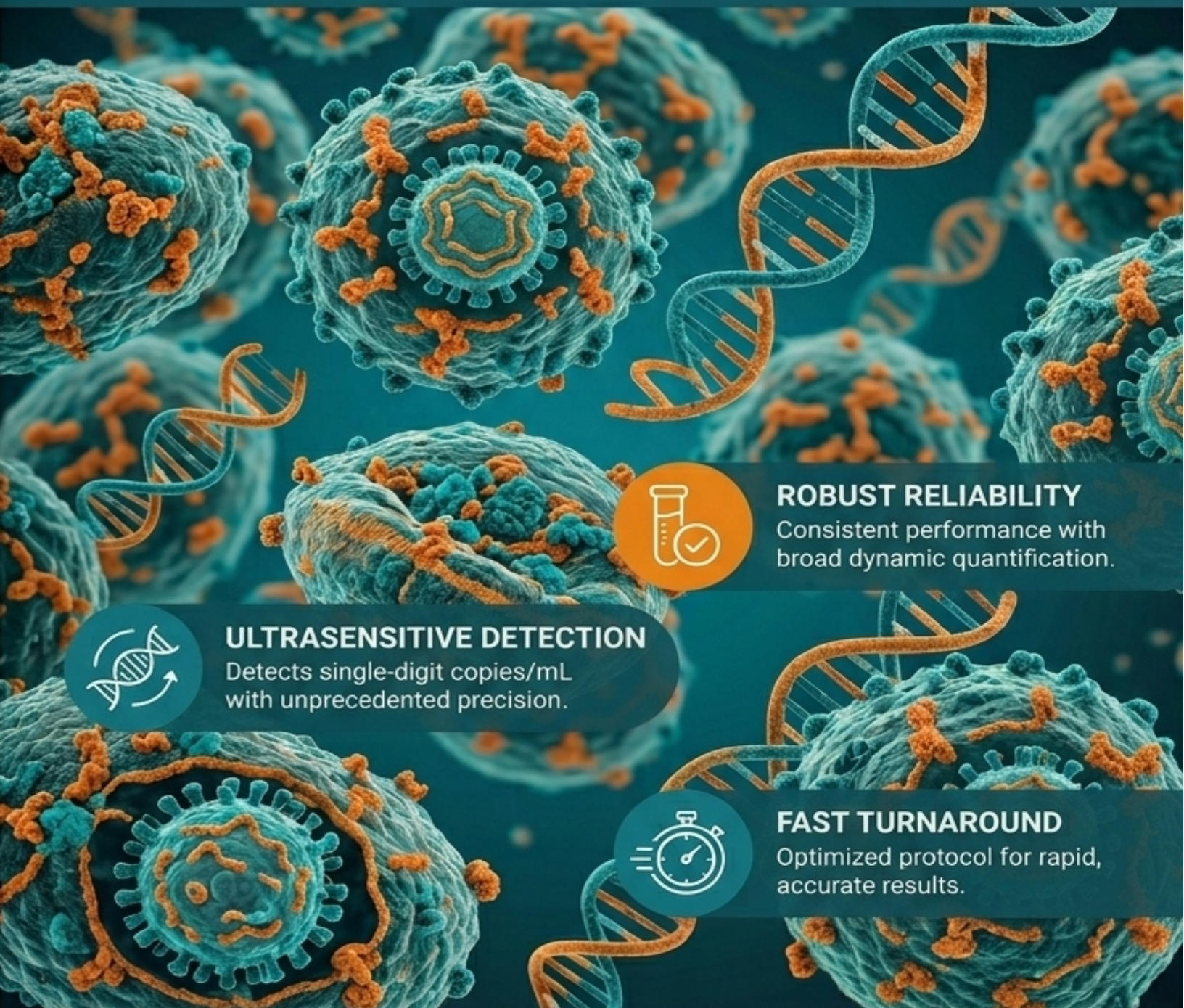


# Genplex<sup>TM</sup>

## HEPATITIS B VIRUS (HBV)

Quantitative RT-PCR Detection Kit

Next-Generation Ultrasensitive Diagnostics



**ROBUST RELIABILITY**  
Consistent performance with broad dynamic quantification.



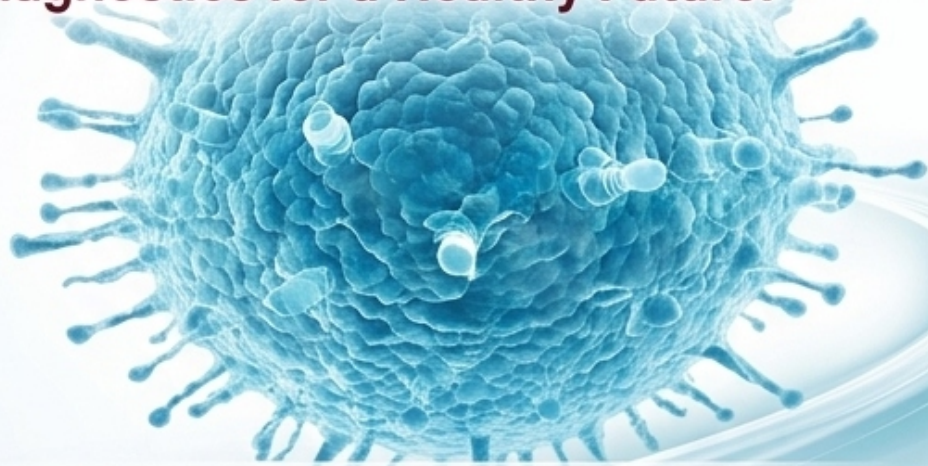
**ULTRASENSITIVE DETECTION**  
Detects single-digit copies/mL with unprecedented precision.



**FAST TURNAROUND**  
Optimized protocol for rapid, accurate results.

# Genplex™ HBV RT-PCR KIT

Quantitative RT-PCR Detection Kit - Premium  
Diagnostics for a Healthy Future.



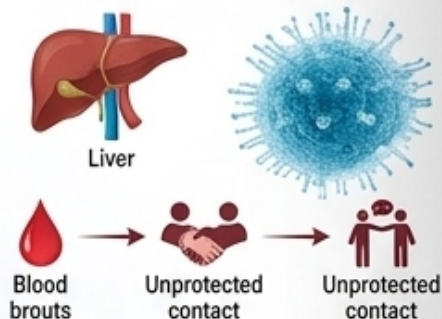
Accurate detection, empowering action.

## About Hepatitis B Virus (HBV)

Hepatitis B Virus (HBV) is a DNA virus that primarily infects liver cells (hepatocytes), leading to acute and chronic liver infections. While some infections resolve spontaneously, chronic HBV infection can result in serious complications such as liver cirrhosis, and hepatocellular carcinoma.

HBV infection may remain asymptomatic for long periods, making early, accurate detection essential for effective early management.

HBV is a major global health concern, transmitted through contact with infected blood and body fluids, including unsafe injections, blood transfusion, needle sharing, contact, and from mother to child pregnancy, or breastfeeding.



## Key Features



### High Sensitivity & Specificity

Ensures highly reliable detection of Hepatitis B Virus (HBV) DNA.



### Accurate Viral Detection

Precise detection and quantification of HBV DNA for effective treatment monitoring.



### Quantitative Analysis

Enables accurate measurement of viral load to assess progression and therapeutic response.



### Wide Dynamic Range

HBV DNA across to high viral concentrations with high precision.



### Broad Instrument Compatibility

Validated for use on most RT-PCR platforms available (Probgen Brand).



**Step 4**  
Real-Time PCR  
Amplification



**Step 5**  
Data Analysis &  
Results Interpretation

## Comprehensive HBV Information & Impact



### Global Distribution & Genotypes



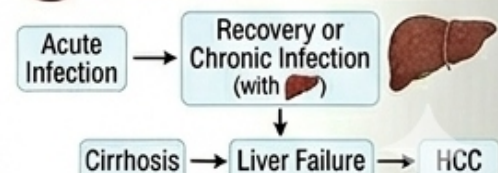
### Prevention & Vaccination



- WHO Prevention Guidelines
- Vaccination Schedule (0, 1, 6 months)
- Preventative measures in healthcare



### Disease Progression



# Genplex™ HBV Real Time PCR Kit



A comprehensive real-time PCR in vitro diagnostic assay designed for the quantitative detection of Hepatitis B Virus (HBV) DNA in clinical specimens such as plasma and serum.

This assay enables accurate quantification of HBV viral load, supporting early diagnosis, disease monitoring, and effective management of HBV infection, including assessment of treatment response and progression of liver disease.

## Introduction (VERBATIM CONTENT Preservation)

# Technology & Key Features

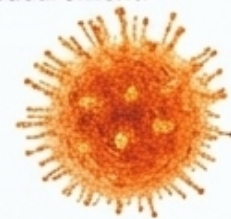


Multiplex diagnostic kit is designed for quantitative detection of Hepatitis B Virus (HBV) DNA using specific primers and fluorescent labeled probes for accurate viral load measurement.

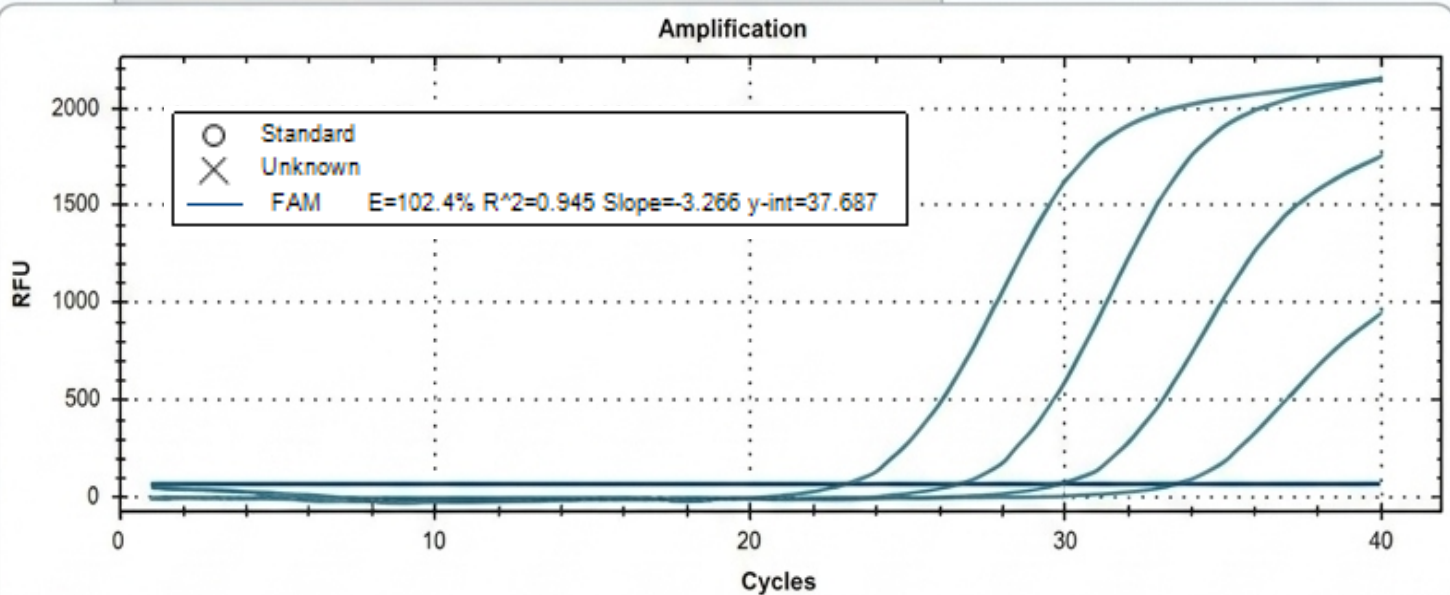
## Quantitative Detection of HBV Viral Load



- Allows accurate quantification of HBV DNA.

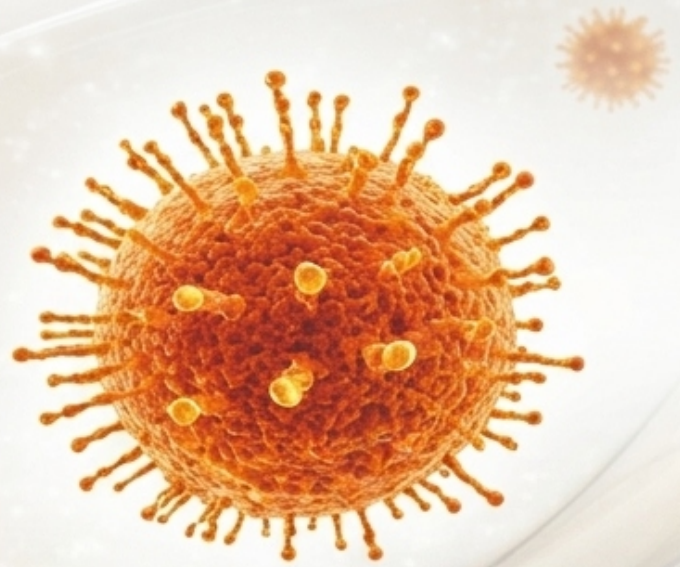


## Amplification Data



# GENPLEX™ HBV

## QUANTITATIVE RT-PCR KIT



Accurate Quantification | Reliable Performance | Advanced

This kit is designed for quantitative detection of Hepatitis B Virus (HBV) DNA from clinical samples such as plasma and serum.

### Key Features:

- ✓ High sensitivity and specificity
- ✓ Internal control included
- ✓ Accurate viral load quantification
- ✓ Compatible with multiple PCR platforms

### Intended Use:

Quantitative detection and monitoring of HBV DNA in plasma and serum samples. For IVD use only.

## Ordering Information

Product Name	Cat No.	Pack Size
Genplex™ Hepatitis B Virus (HBV) RT-PCR KIT	GP1046	48
Genplex™ Hepatitis B Virus (HBV) RT-PCR KIT	GP1047	96



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