

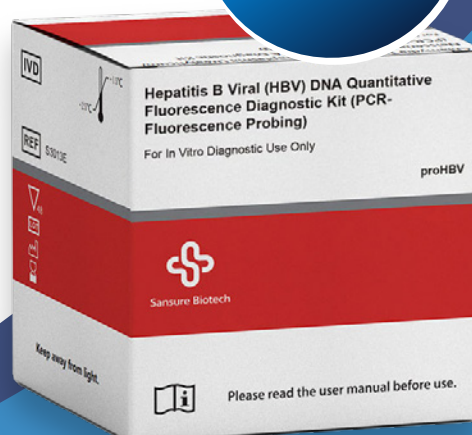


## Hepatitis B Viral DNA Quantitative Fluorescence Diagnostic Kit (PCR-Fluorescence Probing)

**HBV Pro**

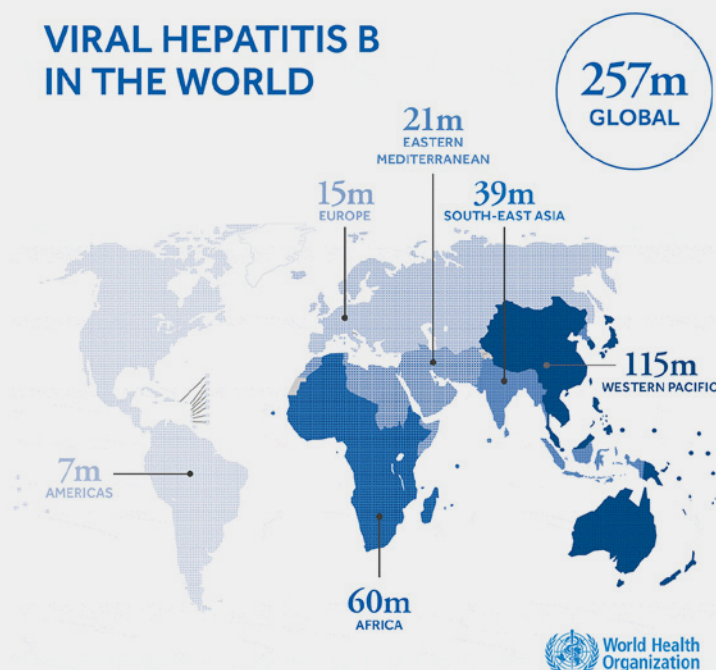
- ✓ **High sensitivity**
- ✓ **Internal control monitoring**
- ✓ **Full automation enabled**

Magnetic beads enrich DNA  
and reveal the truth



WHO estimates that 296 million people were living with chronic hepatitis B infection in 2019, with 1.5 million new infections each year. In 2019, hepatitis B resulted in an estimated 820 000 deaths, mostly from cirrhosis and hepatocellular carcinoma (primary liver cancer).<sup>[1]</sup>

## VIRAL HEPATITIS B IN THE WORLD



Since 2008, Sansure has developed HBV DNA Quantitative Fluorescence Diagnostic Kit with the foresight which agrees with WHO to provide patients living with HBV infection with an affordable, accessible and sustainable alternative to diagnose HBV, monitor disease progression, and assess the stage of liver disease and eligibility for treatment.

## CHRONIC HBV INFECTION CLINIC GUIDELINES FOR HBV DNA TESTING REQUIREMENTS



Virological response during NA is defined as undetectable HBV DNA by a sensitive polymerase chain reaction (PCR) assay with a limit of detection of 10 IU/mL.

— EASL 2017 Clinical Practice Guidelines on the management of hepatitis B virus infection



An undetectable viral load is an HBV DNA level below the level of sensitivity of the laboratory assay. For sensitive polymerase chain reaction assays, this is generally a concentration below 15 IU/mL.

— WHO guidelines for the prevention, care and treatment of persons with chronic hepatitis B infection



## WORKFLOW

1. Upload sample and reagent

2. Select program

3. Detect and analyze



## FEATURES



### ANTI-CONTAMINATION

UNG enzyme + dUTP  
anti-contamination  
system



### FULLY AUTOMATED

Matching Natch CS/CS2,  
which automates nucleic  
acid extraction for  
standardised detection



### HIGH SENSITIVITY

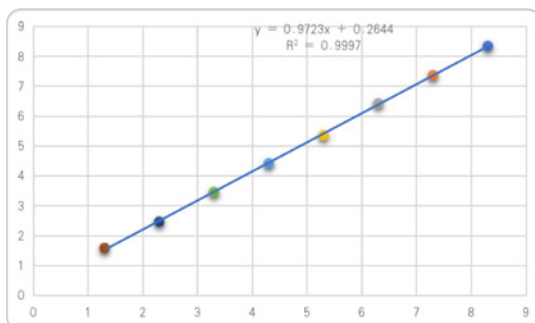
10 IU/mL, meeting  
chronic HBV infection  
clinic guidelines



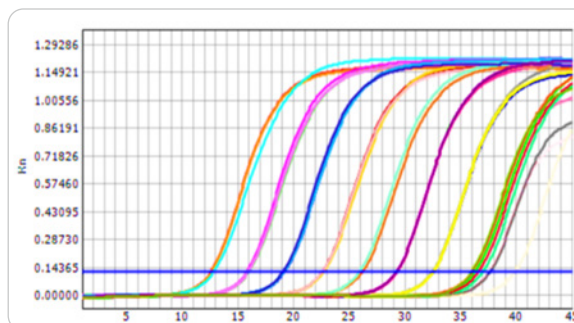
### DNA EXTRACTION TECHNOLOGY

Advanced Magnetic  
Beads Technology, No  
heating, reduced aerosol  
contamination

## PERFORMANCE



Linear analysis of HBV DNA gradient dilution versus theoretical values



HBV DNA amplification curve at gradient dilution



## PARAMETERS

Product Features	Parameter
Specimen Type	Serum
Extraction Platform	Advanced Magnetic Beads Technology
Genotype	HBV A-H Genotype
Internal Control	Lentivirus Particles
Anti-contamination	UNG Enzyme + dUTP Anti-contamination System
Sensitivity	10 IU/mL
Linear Range	20 - 2.0E+09 IU/mL

## ORDER INFORMATION

No.	Product Name	Spec.
S3011E	Hepatitis B Viral DNA Quantitative Fluorescence Diagnostic Kit (PCR-Fluorescence Probing)	48T/Kit
S1003E	Nucleic Acid (DNA) Extraction or Purification Kit (Magnetic Beads Method)	48T/Kit

