

## A. DNA Extraction

You can use SinaClon Viral Extraction Kit (DNA & RNA Virus Extraction, Cat No.: EX6065) or DNP™ Kit (Cat No.: EX6071).

## B. PCR Protocol

1. Take out the kit and let it to be thawed on ice.
2. Label the PCR tubes as **positive**, **negative** control and **test** (Patient sample).
3. Add 14.5µl HBV Master Mix to each tube on ice (Mix & spin before use).
4. Close reaction tubes or place on tray and reaction tubes in a resealable plastic bag and seal the bag securely. Transfer tubes to Extraction Area.
5. Add 10µl DNA (Use specified pipette for sampling of DNA) to each patient's sample tube and 5µl Positive DNA Control to **positive** tube and DNase Free Deionized Water to **negative** tube (The final volume of each reaction will be 25µl then add DNase Free Deionized Water up to 25µl).
6. Close tubes, spin the mixture on microfuge 3-5 sec. and transfer the tubes to preheated thermocycler and start the following program:

Cycling parameters	
First	Then
93°C – 180 Sec	93°C-20 Sec
61°C - 20 Sec	61°C- 20 Sec
72°C – 40 Sec	72°C -40 Sec
<b>1 cycle</b>	<b>35 cycles</b>






Cycling parameters may need to be setup with some Thermocyclers.

## D. Result Analysis

Analyze amplified fragments by loading of 10µl PCR product on 1-2% agarose gel directly without adding loading buffer. The presence of 353bp fragments indicates positive test.

For gel electrophoresis use of **100bp Ladder** (Cat. No: SL7031) is recommended.

## Signs

Signs	Definitions
	Temperature range on product use
	For Research Use Only
	Name and address of the manufacturer of the product
	Product technical code
	Product shipping conditions







شکایات مشتری

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## Hepatitis B Virus PCR Detection kit

 PK3021



50 TESTS



Wet Ice



## Components

Contents	Amounts
HBV Master Mix	725μl
Positive DNA Control	100μl
DNase Free Deionized Water	1ml

## Description

Hepatitis B Virus PCR Detection kit is designed for qualitative detection of HBV DNA in serum and plasma of Human blood and other Human samples by Polymerase Chain Reaction method.