

Herpes Simplex virus I&II Detection Kit

REF PK3051

Σ 20 TESTS

Wet/ Dry Ice

RUO

Store at: -20°C

Components

Contents	Amounts
HSV Master Mix	400μl
Positive DNA Control	25μl
DNase Free Deionized Water	1ml

Description

Herpes Simplex virus I&II Detection kit is designed for qualitative detection of HSV I and HSV II DNA in the Human samples by the method of Polymerase Chain Reaction.

A. DNA Extraction

You can use SinaClon Viral Extraction Kit (DNA & RNA Virus Extraction, Cat No.: EX6065) or DNP™ Kit (Cat No.: EX6071). DNA can also be extracted by other standard method like Phenol/Chloroform.

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 20μl HSV 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 5μl 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 94°C – 300 Sec 1 cycle	Then 94°C-30 Sec 62°C- 15 Sec 72°C -40 Sec 33 cycles	Final 72°C – 300 Sec 1 cycle





Cycling parameters may need to be setup with some Thermocyclers.

D. Result Analysis


Analyze amplified fragments by loading of 10µl PCR product on 2% agarose gel directly without adding loading buffer. The presence of 256bp fragments indicates positive test.

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

Signs

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



 Unit 9, Rouyesh building, Science and Technology Park, Tarbiat Modares University, Pajouhesh Blvd, Tehran, Iran

-  +982191082111
-  hi@sinaclon.com
-  www.sinaclon.com