

Herpes Simplex virus I&II Detection Kit

Cat. No.: PR8240C
Quantity: 20 Reactions

Shipment:Wet/Dry Ice
Storage: -20°C

Description:

This kit is designed for qualitative detection of Herpes simplex Virus I & II (HSV I & II) DNA in the Human sample by the method of Polymerase Chain Reaction. Cinnagen HSV PCR Detection Kit may be used in clinical medicine to detect HSV I & II DNA.

Kit Contents

The kit for 20 amplification reactions consists of:

1. 1X PCR MIX	400 µl
2. Taq DNA polymerase	4 µl (5U/µl)
3. Positive Control	25µl (1pg/µl)
4. Mineral Oil	1 ml
5. DNase Free Deionized Water	5ml

3. Add the following reagents for each tube on ice:

1x PCR MIX	20 µl
Taq DNA polymerase	0.2 µl

Sample preparation

Performed in Pre-amplification, specimen, and control preparation area.

DNA Extraction of Cerebrospinal fluid (CSF):

Reagents for DNA extraction are not included in this kit and should be ordered separately.

• Cinnagen DNP™ kit (Cat. No.: DN8115C), Cinnapure DNA Extraction (Cat No.:PR881613) is recommended for DNA extraction from CSF samples.

DNA can also be extracted by other standard method like Phenol/Chloroform.

Label tubes for patient, negative & positive controls.

• **NOTE:** To avoid contamination all reagents must be taken with separate clean tips!

4. Mix the mixture thoroughly by shaking and spin.
5. To each tube add one drop (20-25 µl) mineral oil.

6. Add 5µl DNA (Use specified pipette for sampling of DNA).

7. Close tubes; spin the mixtures on microfuge for 3-5 sec.

8. Transfer the tubes to preheated thermocycler and start the program:

Cycling parameters:

94°C	1 min.	} 50 cycles
94°C	1 min.	
72°C	40 sec.	
72°C	7 min.	

PCR Protocol

Performed in Pre-amplification, Reagent preparation area.

1. Defreeze reagents in room temperature and then put all the tubes on ice. Vortex and spin tubes before opening. The final volume of each PCR reaction will be 25µl.
2. Label new 0.5 ml tubes for test(s), positive and negative control.

Result analysis:

Performed in Pre-amplification area
Analyze 10 µl of amplified samples directly in a 2% agarose gel without adding loading buffer. The presence of 256 bp fragment indicate positive test.