

Product ManualRevision date: 23-Jun-20

Human Herpes Simplex Virus Type II IgG (HSVII IgG) Rapid Test Kit**Catalog No.:** abx092095**Size:** 20 tests**Storage:** Store all reagents at 4-30 °C. Keep dry.**Application:** For qualitative detection of HSVII IgG in human serum samples. For scientific research use only. Not for diagnostic use.**Introduction and assay principle**

Abbexa's Human Herpes Simplex Virus Type II IgG (HSVII IgG) Rapid Test Kit is a qualitative lateral flow immunochromatographic assay for the detection of HSVII IgG in human serum samples. The sample pad inside the cassette contains gold nanoparticles conjugated to Protein A. The control line is pre-coated with antibodies against Protein A, and the detection (test) line is pre-coated with HSVII antigen. When the test sample is dispensed into the sample well of the test cassette, the sample migrates by capillary action along the cassette. If there are any IgG antibodies in the serum sample, they will bind to the Protein A conjugates. If IgG antibodies against the HSVII virus are present in the sample, the immunocomplex will then be captured by the HSVII antigen on the detection line (T Line), forming a purple-colored T Line, indicating a HSVII IgG positive test result. The control region on the upper end of the cassette confirms if the test has been successful. The internal control line (C Line) exhibits a purple-colored band when the Protein A-gold conjugate is captured by the Protein A antibodies on the C Line, regardless of the color development on the T Line. If no control band is observed, the test result is invalid and the sample must be retested.

Kit components

- Test cassettes (packaged in foil pouches containing disposable pipettes): 20

Sample preparation

- This kit is suitable for use with human serum samples. Other sample types have not been tested.
- Serum samples should be collected into a serum separator tube. Coagulate the serum by leaving the tube undisturbed in a vertical position overnight at 4°C or at room temperature for up to 60 minutes. Centrifuge at approximately 1000 × g for 20 min. Analyze the serum immediately or aliquot and store at -20°C or -80°C.
- Fresh sample or recently obtained samples are recommended to prevent protein degradation and denaturalization that may lead to erroneous results.
- Bring samples slowly to room temperature before carrying out the test.
- Samples should be clear and should not exhibit hemolysis, turbidity, lipidemia, visible particles or bacterial pollution.
- Samples should not be heat-treated or subjected to multiple freeze-thaw cycles.

Product Manual

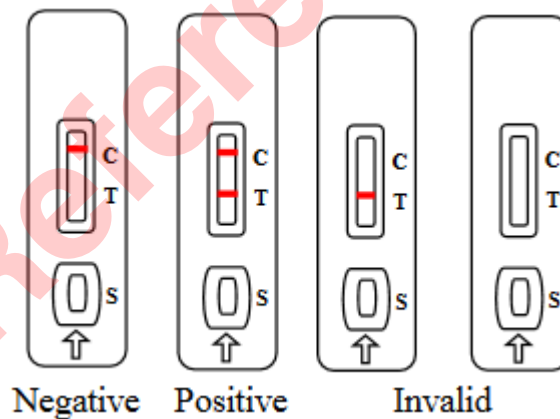
Revision date: 23-Jun-20

Assay procedure

1. Bring the cassette to room temperature before use. After opening the aluminum foil, use the test cassette as soon as possible.
2. Take a test cassette and lay it flat on a clean table. Using the provided pipette, add 100 µl of serum to the sample well on the test cassette. Add the sample vertically and avoid touching the membrane in the middle of the sample well, and avoid foaming.
3. Leave at room temperature for 10-15 min, then analyze the result.

Results analysis

- **Negative result:** A line is observed in the control (C) section but not the test (T) section. The sample does not contain HSVII IgG or the concentration of HSVII IgG in the sample is below the detection limit of the kit.
- **Positive result:** A line is observed in both the control (C) section and the test (T) section. The sample contains HSVII IgG.
- **Invalid result:** No line is observed in the control (C) section. The sample must be retested with a new cassette.



Notes

1. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
2. For samples that are not human serum, a preliminary experiment is recommended to determine the suitability of this kit with those samples.
3. Do not use water, PBS or other animal sera as a negative control.