

## Instructions for Use

Version: 1.0.2  
Revision date: 30-Sep-24



### Human Rabies Virus IgG Rapid Test Kit

**Catalog No.:** abx092100

**Size:** 20 tests

**Storage:** Store all reagents at 2-30 °C. Keep dry.

**Application:** For qualitative detection of Human Rabies Virus IgG in Human serum samples.

#### Introduction and assay principle

Abbexa's Human Rabies Virus IgG Rapid Test Kit is a qualitative lateral flow immunochromatographic assay for the detection of Human Rabies Virus IgG antibodies in human serum samples. The sample pad inside the cassette contains colloidal gold conjugated staphylococcus A protein. The detection line is precoated with human rabies virus antigen, and the control line is precoated with rabbit anti-human polyclonal antibody. When a correct volume of test sample and sample diluent is dispensed into the sample well of the test cassette, the sample migrates by capillary action along the cassette. Any human IgG antibodies present in the sample bind to the staphylococcus A protein conjugates. Human rabies virus IgG antibodies are then captured by the human rabies virus antigen on the control line. A colored band develops within 20 minutes in the test region if the concentration of human rabies virus IgG antibodies in the sample is higher than the detection limit. The control region on the upper end of the cassette confirms if the test has been successful.

#### Kit components

- Test cassettes (packaged in foil pouches): 20
- Sample diluent: 1 vial

#### Sample preparation

Serum samples should be collected using conventional methods and stored between 2 – 8°C for short-term storage or -20 °C for long-term storage. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

#### Assay procedure

1. Take a test cassette and lay it flat on a clean table. The test cassette must be used within 30 minutes of opening the foil pouch.
2. Add 10 µl of serum sample to the sample well on the test cassette. Avoid touching the membrane in the middle of the sample well, and avoid foaming.
3. Add 1 drop of sample diluent into the sample well vertically and slowly.
4. Leave at room temperature for 15-20 min, then analyze the result.

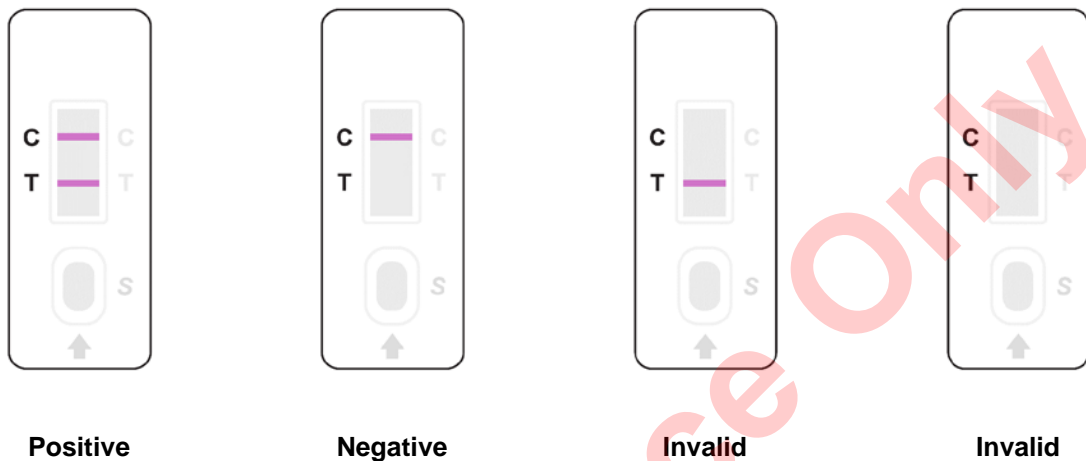
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### Results analysis

- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



### Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminium foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution.
4. Do not use water, PBS or serum of other animals as the negative control.
5. Avoid touching the cassette membrane through the sample well or test result window.
6. This kit is for qualitative detection of HRV antigen in Human serum samples. For other sample types, a preliminary experiment is recommended to determine the suitability of this kit with those samples.
7. This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.
8. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.

### Technical Support

For troubleshooting and technical assistance, please contact us at [support@abbexa.com](mailto:support@abbexa.com).