Zika Virus IgG / IgM Rapid Test Kit

Catalog No.: abx092258

Size: 400 tests / 1920 tests / 10000 tests

Storage: Store all reagents at 4-30 °C. Keep dry. Do not freeze.

Application: For qualitative detection of Zika virus IgG/IgM antibodies in human serum or plasma.

Introduction and assay principle

Abbexa's Zika Virus IgG / IgM Rapid Test Kit is a lateral flow immunoassay which can detect antibodies against Zika Virus. The test is based upon the colloidal gold immunochromatographic assay (GICA). Any Zika Virus Antibodies present in the sample combines with colloidal gold particle-labelled Zika Virus antigens. When the concentration of Zika Virus IgG or IgM is above the detection limit, there is a color change in the respective detection line. When the concentration of Zika Virus IgG or IgM is below the detection limit, there is no color change in the respective detection line.

Kit Components (400 tests)

- Test cassettes: 400
- Sample diluent

Material Required But Not Provided

- Timer
- High-precision pipette and sterile pipette tips
- Sample containers
- Centrifuge

Sample preparation

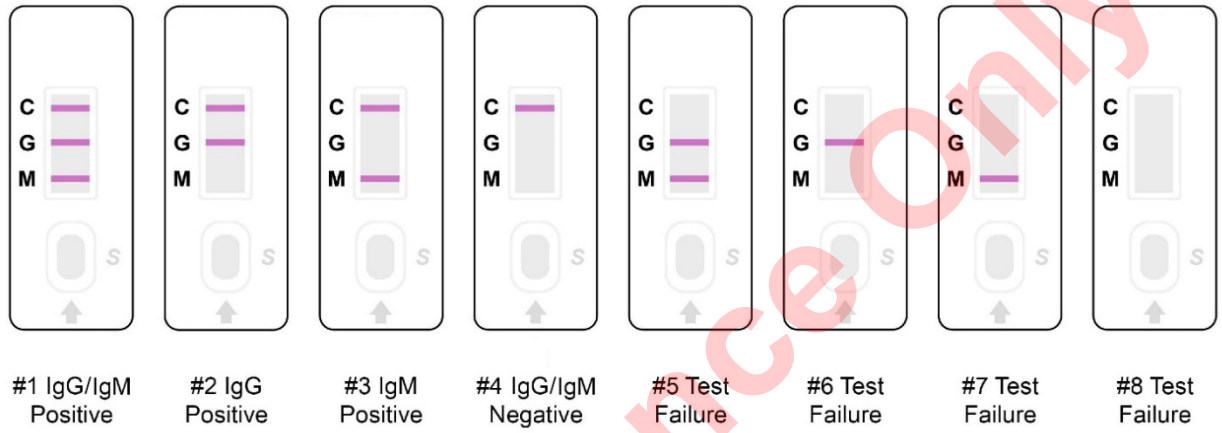
- **Serum:** Collect samples into a collection tube with no anticoagulants by venipuncture. Allow the blood to clot and separate the serum by centrifugation. Carefully separate the serum into a new tube. Assay immediately, or aliquot the supernatant and store between 2-8°C for up to 5 days, or at or below -20°C for long-term storage.
- **Plasma:** Collect blood into a tube containing EDTA, citrate, or heparin by venipuncture. Separate the plasma by centrifugation and separate the plasma into a new tube. Assay immediately, or aliquot the supernatant and store between 2-8°C for up to 5 days, or at or below -20°C for long-term storage.
- **Notes:** Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples. Bring samples to room temperature before carrying out the assay.

Assay procedure

1. Bring all kit components and samples to room temperature. Mix the sample.
2. Take a test cassette and lay it flat on a clean table.
3. Add 1 drop of serum or plasma (approximately 35 µl – 45 µl) vertically and slowly into the sample well on the test cassette.
4. Add 1 drop (approximately 30 µl – 50 µl) of sample diluent vertically and slowly into the sample well on the test cassette.
5. Leave ay room temperature for 15 minutes, then analyze the result. The result will be invalid after 20 minutes.

Results analysis

- **IgG and IgM Positive result:** A colored line is observed in the control (C) section and both test sections (IgG and IgM).
- **IgG Positive result, IgM Negative result:** A colored line is observed in the control (C) section and the first test section (IgG) but not the second test section (IgM).
- **IgM Positive result, IgG Negative result:** A colored line is observed in the control (C) section and the second test section (IgM) but not the first test section (IgG).
- **IgG and IgM Negative result**: A colored line is observed in the control (C) section but not in the test sections (IgG and IgM).
- **Invalid result**: No colored line is observed in the control (C) section.



Notes

1. The test cassettes and samples should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Do not mix or re-use disposable pipettes or pipette tips to avoid cross-contamination.
4. Avoid touching the cassette membrane through the sample well or test result window.
5. False positive results can be caused by several factors, such as: cross-contamination of samples during transportation and treatment; contamination of test components during the assay.
6. False negative results can be caused by several factors, such as: components in the sample blocking the antigen epitope, preventing the antigen from binding to the antibody; sample degradation; analyte concentration is lower than the detection limit of the kit.
7. This kit is for qualitative detection of Zika virus IgG/IgM antibodies in human serum or plasma samples. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
8. 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.
9. 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.