Human Hepatitis A Virus IgM (HAV IgM) Rapid Test Kit

Catalog No.: abx092085

Size: 20 tests / 40 tests

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

Application: For qualitative detection in human serum.

Introduction and assay principle

Abbexa's Human Hepatitis A Virus IgM (HAV IgM) Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Anti-Hepatitis A IgM present in the samples combines with the colloidal gold particle-labelled Hepatitis A antigen. As the IgM antibody-Hepatitis A antigen complex progresses down the cassette membrane, it then combines with anti-Human IgM antibody pre-coated onto a detection line. When the concentration of Anti-Hepatitis A IgM in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of Anti-Hepatitis A IgM in the sample solution is less than the detection limit, there is no color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes: 20 / 40
- Sample diluent: 20 vials / 40 vials

Material Required But Not Provided

- Timer

Sample preparation

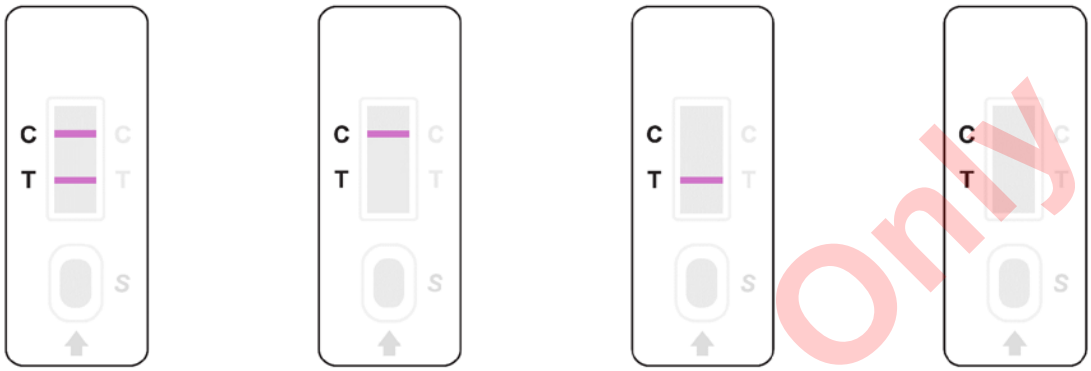
- Serum samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage. Separate serum out from whole blood immediately after collection. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

Assay procedure

1. Take a vial of Sample Diluent and add 5 µl of serum sample. Mix fully.
2. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 100 µl of diluted sample to the sample well on the test cassette. Avoid foaming.
3. Leave at room temperature for 15 – 20 minutes, then analyze the result.

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.



Positive **Negative** **Invalid** **Invalid**

Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution. Avoid samples that have undergone hemolysis (≥ 500 mg/mL hemoglobin), heat-treatment, have high fat content (≥ 180 mmol/L glycerin trilaurate), or have ≥ 1.8 mmol/L bilirubin.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as a negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of Hepatitis A IgM antibodies in human serum 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 of appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.