Human Hepatitis E Virus IgM (HEV IgM) Rapid Test Kit

Catalog No.: abx092089

Size: 20 tests / 40 tests

Storage: Store all reagents at 4-30°C. Keep dry.

Application: For qualitative detection of Human Hepatitis E Virus IgM in serum, plasma and whole blood.

Introduction and assay principle

Abbexa's Human Hepatitis E Virus IgM Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Human Hepatitis E Virus IgM present in the samples combines with the colloidal gold particle-labelled Human Hepatitis E Virus antigen. When the concentration of Human Hepatitis E Virus 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 Human Hepatitis E Virus 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: 20 / 40
- Sample diluent: 1 vial / 2 vials

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer
- Lancets

Sample preparation

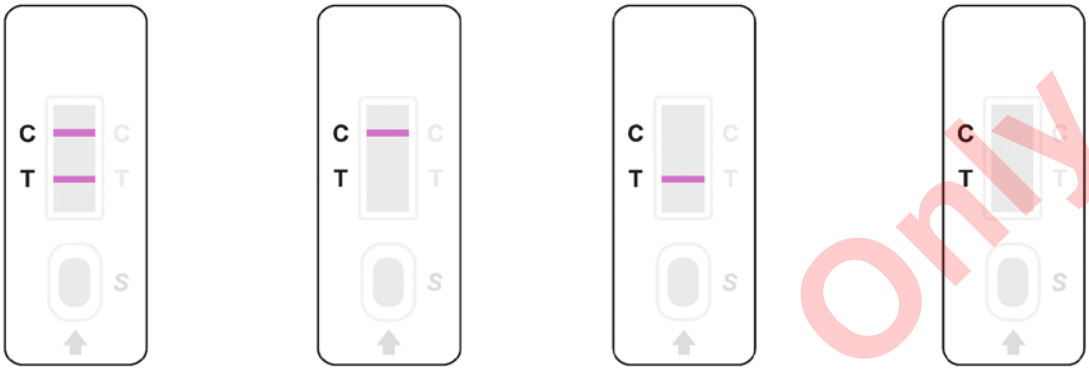
- Whole blood samples should be tested immediately after collection or stored at 2-8 °C for up to 24 hours. Serum and plasma samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 5 days) or -20 °C for long-term storage. Fresh samples are recommended. 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. Slowly and vertically add 10 µl of sample to the sample well, then add 2 drops (approximately 70-90 µl) of Sample diluent to the sample well on the test cassette. Avoid foaming. Start the timer.
2. Results may be read within 15 minutes, as early as 1 minute. **Results after 15 minutes are not valid,** and we recommend discarding test cassettes after 15 minutes to minimize confusion**.**

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.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of Human Hepatitis E Virus IgM in human serum, plasma and whole blood. 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.