

## Instructions for Use

Version: 2.0.1

Revision date: 18-Jul-25

# Heart-Type Fatty Acid Binding Protein (H-FABP) Rapid Test Kit

**Catalog No.:** abx090726

**Size:** 400 / 2000 / 10,000 tests

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

**Application:** For qualitative detection in human serum and plasma samples.

## Introduction and assay principle

Abbexa's Heart-type Fatty Acid Binding Protein (H-FABP) Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any H-FABP present in the samples combines with the colloidal gold particle-labelled H-FABP antibody. When the concentration of H-FABP 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 H-FABP 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 (20 tests)

- Test cassettes

### Material Required But Not Provided

- Timer
- Pipette and pipette tips

## Sample collection and extraction

- **Serum and Plasma:** Serum and plasma samples should be collected using conventional methods and test within 4 hours of separation. If samples cannot be tested in this period, they can be stored between 2 – 8°C for up to 5 days or -20 °C for long-term storage. It is recommended to use EDTA or heparin as anticoagulants.

## Assay procedure

1. Take a test cassette and lay it flat on a clean table. Slowly and vertically add 100 µl of sample to the sample well on the test cassette. Start the timer.
2. Leave at room temperature for 10 minutes, then analyze the result. *Results read after 30 minutes are invalid.*

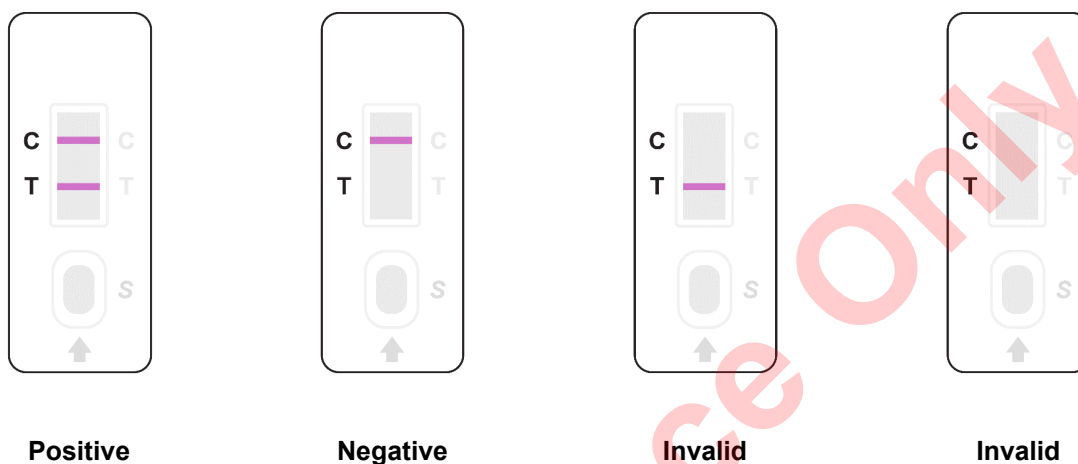
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### Results analysis

- **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, reagents 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. Samples should have haemoglobin < 5 g/L, triglyceride < 25 g/L and bilirubin < 0.1 g/L, otherwise they may interfere with the assay.
4. Avoid touching the cassette membrane through the sample well or test result window.
5. False negative results can be caused by several factors, such as: viral genetic variation, preventing the antigen from binding to the antibody; sample degradation; analyte concentration is lower than the detection limit of the kit.
6. This kit is for qualitative detection of Heart-type Fatty Acid Binding Protein (H-FABP) in Human serum and plasma. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
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).