

## Instructions for Use

Version: 1.0.3  
Revision date: 19-Apr-23

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

**Catalog No.:** abx090726

**Size:** 20 tests

**Storage:** Store all reagents at 2-30 °C. Keep dry. Do not freeze.

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

#### Introduction and assay principle

Abbexa's Heart-type Fatty Acid Binding Protein (H-FABP) Rapid Test Kit is a lateral flow immunoassay which can detect H-FABP antigens in human whole blood, serum and plasma. When the concentration of H-FABP in the sample is more than the detection limit, there is a color change in the corresponding 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. The control region on the upper end of the cassette confirms if the test has been successful.

#### Kit Components (20 tests)

- Test cassettes: 20
- Pipettes: 20

#### Material Required But Not Provided

- Timer
- Sample tubes: 20

#### Sample collection and extraction

- **Serum:** Samples should be collected into a serum separator tube. Coagulate the serum by leaving the tube undisturbed in a vertical position overnight at 4°C or at room temperature for up to 60 minutes. Centrifuge at approximately 1000 × g for 15 min. Analyze the serum immediately or aliquot and store at -20°C or -80°C.
- **Plasma:** Collect plasma using heparin or EDTA as an anticoagulant. Centrifuge for 15 minutes at 1000 × g within 30 minutes of collection. Assay immediately or aliquot and store at -20°C. Avoid hemolysis.
- **Whole blood:** Collect by venepuncture into clean tubes for analysis.

#### Assay procedure

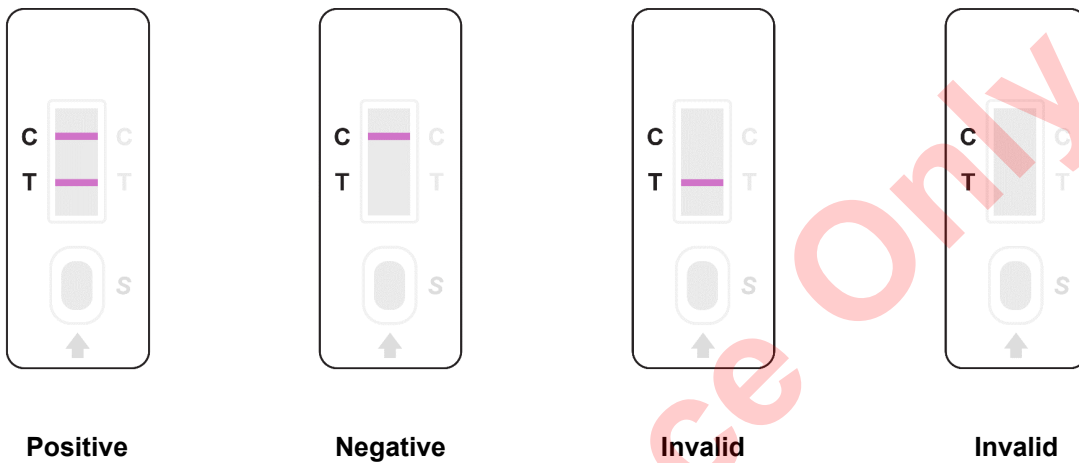
1. Take a test cassette and lay it flat on a clean table. Add 3-4 drops (approximately 80 µl) of sample from the sample extraction tube to the sample well on the test cassette. Start the timer.
2. Leave at room temperature for 10 min, then analyze the result. *Results read after 15 minutes are invalid.*

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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 < 500 mg/dL cholesterol, < 50 mg/dL bilirubin, < 500 mg/dL triglycerides and < 500 mg/dL cholesterol, 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 whole blood, 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.