

Instructions for Use

Version: 2.0.1
Revision date: 7-Mar-24

Human Follicle Stimulating Hormone (FSH) Rapid Test Kit

Catalog No.: abx092199

Size: 100 tests / 400 tests / 1920 tests / 10000 tests

Sensitivity: 25 mIU/ml

Storage: Store all reagents at 4°C - 30°C

Application: For qualitative detection of Human Follicle Stimulating Hormone in urine samples

Introduction and assay principle

Abbexa's Human Follicle Stimulating Hormone Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Human Follicle Stimulating Hormone (FSH) present in the samples combines with the colloidal gold particle-labelled anti-Human FSH antibody in the sample well, and diffuses to the test area where the complex binds with a second anti-Human FSH antibody. When the concentration of Human FSH 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 FSH 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 (100 tests)

- Test cassettes: 100

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer

Sample preparation

- **Urine:** Clear urine samples can be tested directly. Cloudy urine samples should be centrifuged, filtered, or precipitated to produce clear samples for detection. Test samples within 4 hours of collection, or store at 4°C for up to 48 hours. Do not freeze.

Assay procedure

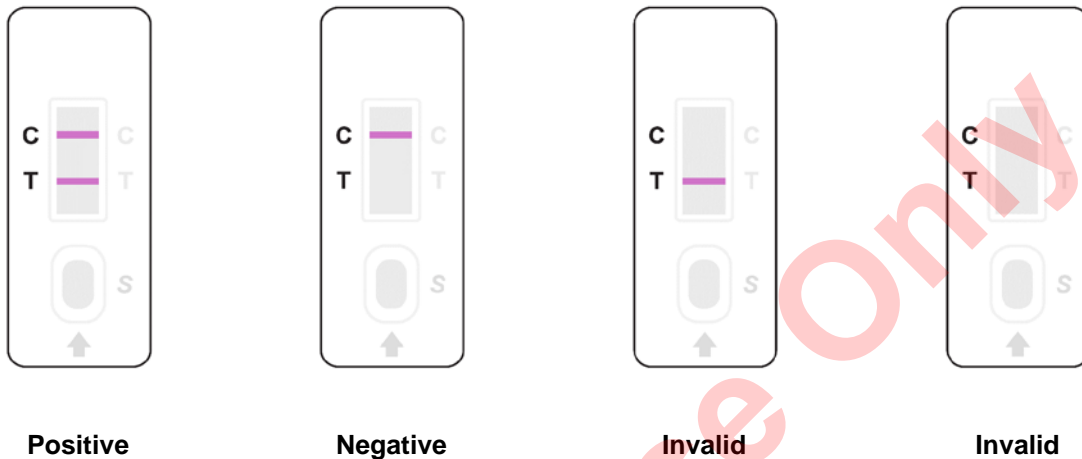
1. Bring all kit components and samples to room temperature.
2. Take a test cassette and lay it flat on a clean table. Using a pipette, slowly and vertically add 2-3 drops (approximately 80 µl – 100 µl) of sample to the sample well on the test cassette. Avoid foaming.
3. Leave at room temperature for 10 minutes, then analyze the result. The result is only valid if read before 20 minutes.

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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 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 be clear with no visible particles, turbidity or bacterial pollution.
4. Do not mix or re-use pipette tips to avoid cross-contamination.
5. Avoid touching the cassette membrane through the sample well or test result window.
6. This kit is for qualitative detection of Human Follicle Stimulating Hormone in urine samples. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit. Positive samples can be tested with another method (e.g. HPLC, LC/MS) for quantitative results.
7. Cross-reactivity: Human Luteinizing Hormone (negative result at < 200 mIU/ml), Human Thyroid-Stimulating Hormone (negative result at < 250 μ IU/ml)
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.