

Instructions for Use

Version: 1.2.1
Revision date: 30-Jul-25

Salbutamol Rapid Test Kit

Catalog No.: abx092043

Size: 20 tests / 50 tests / 80 tests

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

Application: For qualitative detection of Salbutamol in Urine samples.

Detection limit: 5 ppb

Introduction and assay principle

Abbexa's Salbutamol Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Salbutamol present in the samples combines with the colloidal gold particle-labelled anti-Salbutamol antibody in the sample well. Salbutamol in samples competes with Salbutamol antigen in the detection line, preventing capture of the gold-labelled complex. When the concentration of Salbutamol in the sample is more than the detection limit, there is no color change in the detection line and the result is positive. When the concentration of Salbutamol in the sample solution is less than the detection limit, there is a color change in the detection line and the result is negative.

Kit Components

- Test Cassettes with Pipettes

Material Required But Not Provided

- Centrifuge and centrifuge tubes
- Timer

Sample preparation

- **Urine:** Clear samples should be used. Cloudy samples should be centrifuged at 4000 rpm for 5 minutes, then the supernatant can be collected for detection.

Assay procedure

1. Take a Test Cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 3 drops of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 5 minutes, then analyze the result.

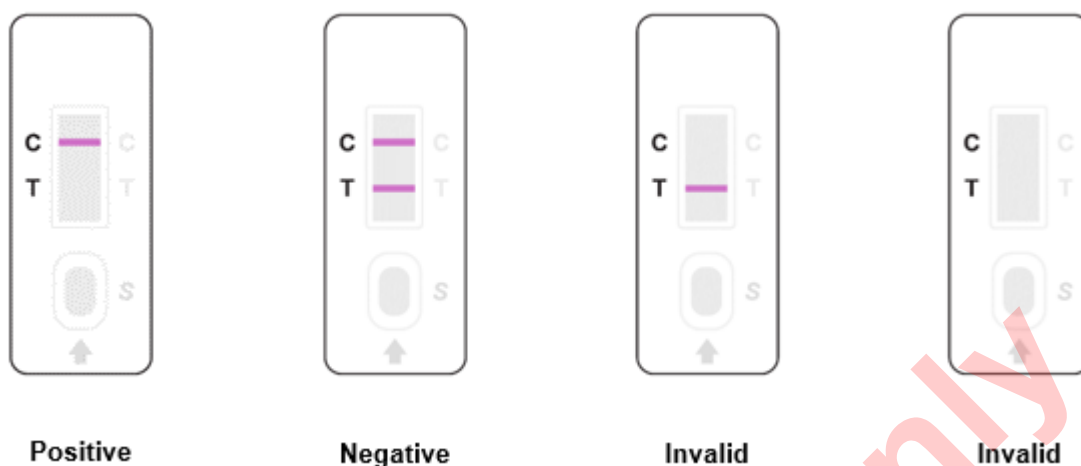
Results analysis

- **Positive result:** A colored line is observed in the control (C) section but not in the test (T) section.
- **Negative result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.

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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 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 Salbutamol 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.
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.

Technical Support

For troubleshooting and technical assistance, please contact us at support@abbexa.com.