Influenza A/B Virus Antigen Rapid Test Kit

Catalog No.: abx090713

Size: 20 tests

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

Application: For qualitative detection in human nasal, throat, and nasopharyngeal swab samples.

Introduction and assay principle

Abbexa's Influenza A/B Virus Antigen Rapid Test Kit is a lateral flow immunoassay which can detect Influenza A/B virus antigens in human nasal, throat, and nasopharyngeal swab samples. When the concentration of Influenza A/B 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 Influenza A/B 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
- Sample Swabs: 20
- Sample Treatment Solution: 20
- Tube Caps: 20

Material Required But Not Provided

- Timer

Sample collection and extraction

- **Nasal swabs:** Insert the fabric end of the swab into 1 nostril until there is a slight resistance (2.0 to 2.5 cm up the nose). Rotate the swab 3 times against the nasal cavity wall.
- **Throat swabs:** Insert the fabric end of the swab into the mouth, avoiding contact with the tongue. Rub the swab against the tonsils and the posterior pharyngeal wall, with firm contact.
- **Nasopharyngeal swabs:** Insert the fabric end of the swab into 1 nostril, keep the swab close to the septum floor of the nose. Rotate the swab against the rear nasal pharynx several times.

Sample Preparation

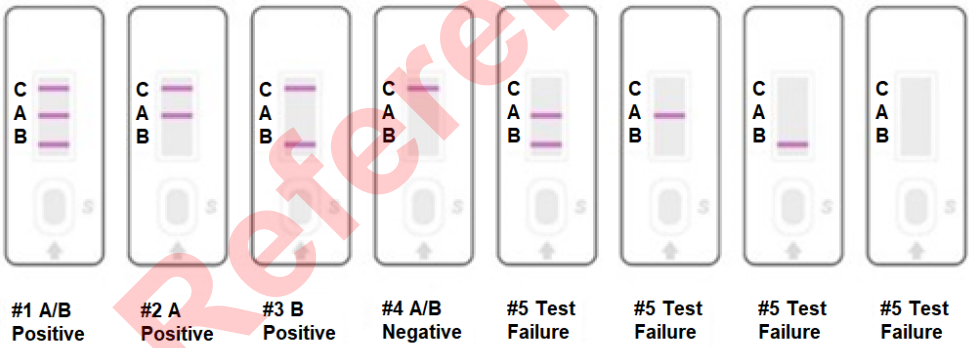
1. Remove the seal of the Sample Treatment Solution.
2. Insert the swab into the sample tube, ensure it gets submerged in the solution.
3. Rotate and squeeze the swab against the base/wall of the sample tube.
4. Remove the swab, cover the tube with a cap.
5. Test immediately. If sample cannot be tested immediately, store for up to 48 hours at 4 °C.

Assay procedure

1. Take a test cassette and lay it flat on a clean table. Add 3 drops of extracted sample from the sample extraction tube to the sample well on the test cassette. Start the timer.
2. Leave at room temperature for 10 minutes, then analyze the result. Result is invalid if read after 25 minutes.

Results analysis

- **Influenza A and B Positive result:** A colored line is observed in the control (C) section and both test sections (A and B).
- **Influenza A Positive result, Influenza B Negative result:** A colored line is observed in the control (C) section and section A but not section B.
- **Influenza B Positive result, Influenza A result:** A colored line is observed in the control (C) section and section B but not section A.
- **Influenza A and B Negative result**: A colored line is observed in the control (C) section but not in the test sections (A and B).
- **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. Do not touch the fabric end of the swab to avoid contamination.
4. Avoid touching the cassette membrane through the sample well or test result window.
5. The presence of some drugs (such as high concentrations of drugs delivered by nasal spray) may interfere with the assay.
6. 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.

7. This kit is for qualitative detection of Influenza A/B Virus Antigen in human nasal, throat, and nasopharyngeal swab samples. 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.