

Strep A Test Cassette (Throat Swab)

The Strep A Test Cassette (Throat swab) is intended for in vitro detection of strep A antigens in throat swab specimens. It is intended to aid in the rapid differential diagnosis of strep A viral infections.

The Strep A Test Cassette (Throat Swab) detects Strep A carbohydrate antigen in a throat swab based on Fluorescence Immunoassay. In this test, an antibody specific to Strep A carbohydrate antigen is coated on the test line region of the test. During testing, the extracted throat swab specimen reacts with an antibody to Strep A that is coated onto particles. The mixture migrates up the membrane to react with the antibody to Strep A on the membrane. If the specimen contains Strep A antigen, it attaches to the fluorescent microspheres-conjugated Strep A antibodies. Then the complex will be captured by the capture antibodies coated on the nitrocellulose membrane (Test line). The concentration of Strep A in the sample correlates with the fluorescence signal intensity captured on the T line, which can be scanned by Fluorescence Immunoassay Analyzer. The testing result of Strep A will display on the Fluorescence Immunoassay Analyzer screen.

The test result of each specimen is given as Pos (+) or Neg (-) with a Reference Value. This Value is calculated so that a measured signal is divided by an appropriate cutoff value.

- Test results of a Value ≥ 1.00 are considered positive.
 - Test results of a Value < 1.00 are considered negative.
- Sensitivity $\geq 90\%$, specificity $\geq 96\%$

