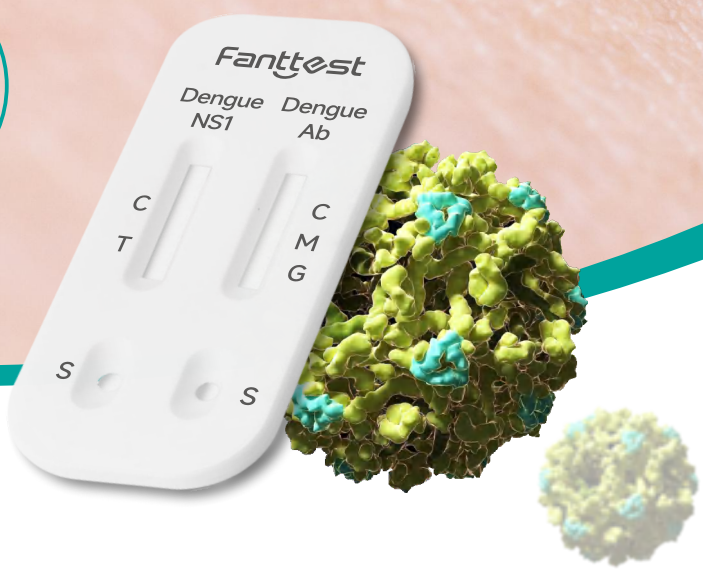
Fanttest

CE

Dengue NS1 Antigen & IgG/IgM Rapid Test

This product is used for qualitative detection of Dengue virus NS1 antigen & IgG/IgM antibody in human whole blood, serum, or plasma as an aid in the diagnosis of Dengue infections.



Methodology

Using the principle of indirect method. and double antibody sandwich method.

Operation

Simple operation, easy to interpret, sampling and testing can be done at any time.

Detection

The detection is fast, the result can be interpreted in 10 minutes.

Accuracy

Strong specificity,will not cross-react with other viruses.

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Product background

Dengue NS1 (nonstructural protein I) is a highly conserved glycoprotein. NS1 antigen was found circulating in samples of infected patient from the first day up to 9 days after the onset of the fever. After the anti-NS1 antibody elevate in human body, the detectable NS1 antigens decline quickly. While detectable NS1 antigens declining, the elevated antibodies can be detected for longer time. Usually IgM does not become detectable until 3 to 10 days after the onset of illness in cases of primary dengue infection and until 2 to 3 days after onset of illness in secondary infections. In primary infections, IgG appear the 14th day and may persist for many years. Secondary infections generate an anamnestic IgG antibody response that is characterized by a rapid rise in IgG antibodies detectable at 4-5 days after the onset of the illness.
The detection of both NS1 antigen and anti-Dengue antibodies provides the tool for the diagnosis of dengue infection from the early infection to the stage after the onset of the illness. It can enhance the accuracy of the diagnosis of dengue infection.

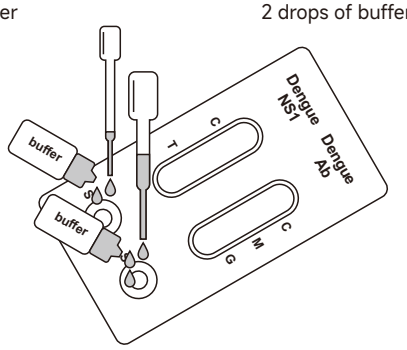
Intended use

This product is used for qualitative detection of Dengue virus Ns1 antigen & IgG/IgM antibody in human whole blood, serum, or plasma as an aid in the diagnosis of Dengue infections.

Operation steps and result interpretation

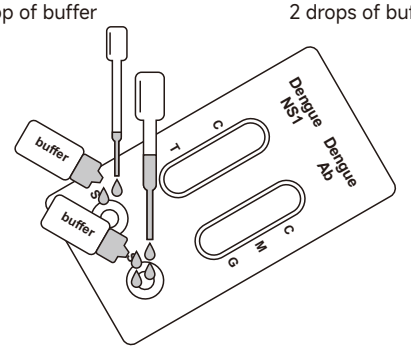
NS1: 1 drop of serum/plasma
1 drop of buffer

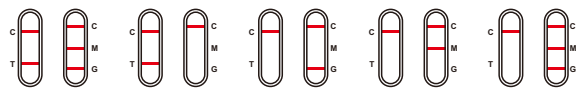
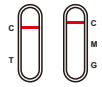
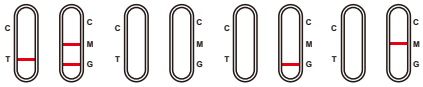
IgG/IgM:1 drop of serum/plasma
2 drops of buffer



NS1:1 drop of whole blood
1 drop of buffer

IgG/IgM:2 drops of whole blood
2 drops of buffer



Positive	Negative	Invalid
 NS1: Positive IgM: Positive IgG: Positive NS1: Positive IgM: Negative IgG: Negative NS1: Negative IgM: Negative IgG: Positive NS1: Negative IgM: Positive IgG: Negative Ns1: Negative IgM: Positive IgG: Positive	 NEGATIVE: No line appears in the test line region. A distinct color line shows on the control line region.	 INVALID: No line appears in the control line region.

*NOTE: The intensity of the color in the test line region(s) will vary depending on the concentration of analyte in the specimen. Therefore, any shade of color in the test line region(s) should be considered positive.
Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the test with a new test. If the problem persists discontinue using the test immediately and contact your local distributor.

Product information

Product name	Specimen	Format	Pack/box	Shelf life	Storage temperature	Certificate
Dengue NS1 Antigen & IgG/IgM Rapid Test	WB/S/P	Cassette	25T	24months	2-30°C	CE

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