

DENGUE NS1 ANTIGEN RAPID TEST

IR - 114c

Dengue viruses, transmitted by *Aedes aegypti* and *Aedes albopictus* mosquitoes, are widely distributed throughout the tropical and subtropical areas of the world. There are 4 known distinct serotypes (dengue virus 1, 2, 3, and 4). However, if the patient is infected the second or further time with a different serotype, a more severe disease (dengue hemorrhagic fever or dengue shock syndrome) is more likely to occur.

NS1 is a highly - conserved glycoprotein that is present at high concentrations in the sera of dengue-infected patients during the early clinical phase of the disease. NS1 antigen is found from the first day up to 9 days after the onset of fever in samples of primary or secondary dengue infected patients. Usually IgM does not become detectable until 5 to 10 days after the onset of illness in cases of primary dengue infection and until 4 to 5 days after onset of illness in secondary infections. It then remains in the circulatory system for 30-60 days.

In primary infections, IgG appears after the 14th day and persists for life. Secondary infections show that IgG rises within 1-2 days after the onset of symptoms. Thus, the use of a reliable and sensitive rapid test that can detect the NS1 antigen in patients has been described as an alternative method for an early diagnosis.

Specification :

- **Sample** : Serum / Plasma
- **Sensitivity** : 92,5 %
- **Specificity** : 95 %
- **Long expiry date**
- **Package** : 25 tests or 50 tests
- **Storage** : 2 -30° C



Procedure :

1. Bring the pouch and sample to room temperature.
2. Remove the test card from the pouch, and place it flat on a dry surface.
3. Apply 3 drops (100 uL) serum or plasma to the sample well.
4. Read the results within 10-20 minutes.

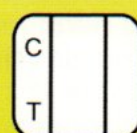
Interpretation of Result



Positive



Negative



Invalid

