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CID : 2319625204  
Name : MR.PRAVEEN KUMAR DIWAKAR  
Age / Gender : 38 Years / Male  
Consulting Dr. : SELF  
Reg. Location : Parel, Gratitude Diagnostics Center

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**PROSELF MONSOON FEVER CHECK - ADVANCED**  
**DENGUE NS1 ANTIGEN**

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Dengue NS1 Antigen, Serum	Positive(2.5)	< 1.0 ≥ 1.0	Negative Positive

**Clinical significance:**

Detection of NS1 Antigen by is valuable as it detects infection prior to seroconversion. It can be detected in serum from day 1 after onset of fever and up to 9 days. This helps in early implementation of supportive therapy & monitoring, this in turn reduces risk of complications such as Dengue hemorrhagic fever or Dengue shock syndrome.

**Intended use:**

Qualitative or semi-quantitative detection of Dengue virus NS1 antigen in human serum or plasma by enzyme immunoassay.

**Interpretation:**

1. Negative: No detectable Dengue NS1 antigen. The result does not rule out Dengue infection. An additional sample should be tested with serology in 7-14 days.
2. Equivocal: Equivocal samples should be repeated. Samples that remain equivocal after repeat testing should be repeated by an alternative method or another sample should be collected.
3. Positive: Presence of detectable Dengue NS1 antigen. Dengue serology assays should be performed on follow-up samples to confirm Dengue infection.

**Reflex test:** Dengue RNA detection by PCR

**Limitations:**

1. Negative result does not rule out Dengue infection. An additional sample should be tested with serology in 7-14 days.
2. Diagnosis of recent infection can only be established on the basis of a combination of clinical and biological data. The result obtained on a single sample does not constitute a sufficient proof for diagnosis of recent infection.

**Reference:** Dengue NS1 kit insert

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab

\*\*\* End Of Report \*\*\*



*Thakker*

**Dr. JYOT THAKKER**  
M.D. (PATH), DPB  
Pathologist and AVP( Medical  
Services)