



# PANBIO<sup>®</sup> DENGUE EARLY RAPID

The Panbio Dengue Early Rapid is an in vitro immunochromatographic, one step assay designed for the qualitative determination of dengue virus NS1 antigen in human serum, plasma or whole blood for the diagnosis of early acute dengue infection.



# Panbio® Dengue Early Rapid

## FACTS

NS1 detection can help to diagnose an active dengue infection from the very first day of symptoms as the dengue NS1 antigen can be detected in serum, plasma or whole blood from the first day that fever appears.<sup>1,2</sup>

Detection of NS1 can also provide a specific diagnosis of dengue infection.<sup>1,2,3</sup> This is especially valuable in areas

where flavivirus serological cross reactivity could confound a diagnosis.<sup>4</sup>

Earlier diagnosis of dengue allows earlier implementation of supportive therapy and monitoring. This reduces risk of complications such as DHF or DSS, especially in countries where dengue is endemic.<sup>5</sup>

## 3-STEP PROCEDURE

**1** Add 3 drops (100µl) of specimen.

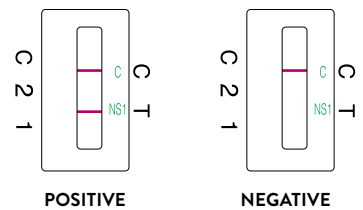


**2** Interpret test results at 15-20 minutes.



**3**

- No lysis step
- Whole blood available
- Room temperature



## ORDERING INFORMATION: PANBIO® DENGUE RAPID TESTS

CATALOGUE NUMBER	DESCRIPTION	NO. OF TESTS
01PF20	Panbio® Dengue Early Rapid	25
01PF10	Panbio® Dengue Duo Cassette	25

**FOR FURTHER INFORMATION, PLEASE CONTACT YOUR LOCAL ABBOTT REPRESENTATIVE.**

1. Alcon, S., *et al* (2002), "Enzyme-linked Immunosorbent Assay Specific to Dengue Virus Type 1 Nonstructural Protein NS1 Reveals Circulation of the Antigen in the Blood during acute phase of disease in patients experiencing primary or secondary infections". *Journal of Clinical Microbiology*, Feb 02, 376-381
2. Libraty, D., *et al* (2002) High Circulating Levels of the Dengue Virus Nonstructural Protein NS1 Early in Dengue Illness Correlate with the Development of Dengue Hemorrhagic Fever. *The Journal of Infectious Diseases*; 186:1165-8
3. Xu, H., *et al* (2006), "Serotype 1- Specific Monoclonal Antibody-Based Antigen Capture Immunoassay for Detection of Circulating Nonstructural Protein NS1: Implications for Early Diagnosis and Serotyping of Dengue Virus Infections". *Journal of Clinical Microbiology*; Aug; 2872-28785.
4. Blacksell, S., *et al* (2008) Evaluation of the Panbio® dengue virus nonstructural 1 antigen detection and immunoglobulin M antibody enzymelinked immunosorbent assay for the diagnosis of acute dengue infection in Laos. *Diagnostic Microbiology and Infectious Disease* 60; 43-49
5. Ong, A., *et al* (2007) Fatal dengue hemorrhagic fever in adults during a dengue epidemic in Singapore. *Int. J Infect Dis.* 11(3):263-267

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