SHD
SCIENCE HEALTH DIAGNOSTICS

RAPID TEST · INFECTIOUS DISEASES

Dengue NS1, IgG and IgM on one cassette in 10 minutes.

The SHD Dengue IgG/IgM & NS1 Combo Rapid Test Cassette detects the viral antigen and both antibody classes from a single patient sample.



25 tests · REF 960005

Result in 10 minutes

The result is read visually at ten minutes, and no instrument is required.

Every phase of infection

Antigen detection from the first day of fever is combined with IgM and IgG detection on the same device.

Fingerstick ready

The test accepts fingerstick or venous whole blood, serum and plasma, and droppers are included in the kit.

Stored at 2 – 30 °C

The kit is stored at room temperature or refrigerated, so it needs no cold chain on site.

Clinical performance against ELISA

Both components were compared with commercial ELISA tests on 872 clinical specimens.

ANALYTE	SENSITIVITY	SPECIFICITY	ACCURACY
NS1 antigen	95.8%	96.1%	96.0%
IgG / IgM	94.3%	99.1%	98.3%

One sample answers whether the patient is infected and at which stage.



Each cassette carries two strips. The NS1 strip shows the viral antigen from the first day of fever, and the IgG/IgM strip follows the immune response.

In primary infection, IgM rises three to five days after the onset of fever. In secondary infection, IgG rises early and strongly, so the line pattern also separates primary from secondary infection.

Each strip has its own control line, and the result is read by eye at ten minutes.

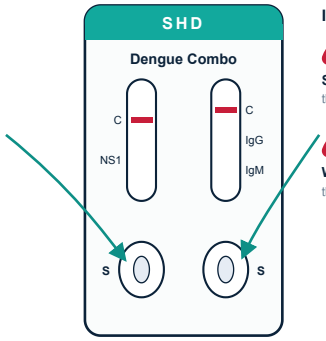
HOW TO RUN THE TEST

NS1 antigen — left well S

Serum / plasma: 3 drops (≈ 75 µL)
No buffer for serum or plasma

Whole blood: 3 drops (≈ 75 µL)
then 1 drop of buffer (≈ 40 µL) to the same well

Read at 10 minutes
Do not interpret after 20 minutes



IgG / IgM — right well S

Serum / plasma: 5 µL
then 3 drops of buffer (≈ 120 µL) to the same well

Whole blood: 1 drop (≈ 10 µL)
then 3 drops of buffer (≈ 120 µL) to the same well

1. The cassette is taken out of its pouch and placed on a flat surface at room temperature.
2. The specimen is added to the NS1 well and to the IgG/IgM well, and buffer is added as shown above.
3. The result is read at ten minutes and is not interpreted after twenty minutes.

KIT CONTENTS

- 25 test cassettes, individually pouched with desiccant
- Buffer vial
- Specimen droppers (5 µL and 25 µL)
- Instructions for use

ORDERING INFORMATION

REF	PRODUCT	PACK
960005	SHD Dengue IgG/IgM & NS1 Combo Rapid Test Cassette Whole blood · Serum · Plasma	25 T

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