



Product Information & Manual

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Nipah Virus Antigen Rapid Test Kit

(10T/Box)

Cat no. LDG0006LR

Description

Nipah virus is a highly dangerous zoonotic pathogen primarily prevalent in South Asia, posing a significant threat to global public health. Fruit bats are the primary natural host of the virus. Humans can become infected through the consumption of contaminated food or direct contact with the bodily fluids of infected animals. Nipah virus infection presents with a broad spectrum of clinical symptoms, from asymptomatic to severe respiratory and neurological disorders, and even death. Due to its high transmissibility and mortality rate, early and accurate diagnosis is crucial for outbreak control.

The Nipah Virus Antigen Rapid Test Kit is based on the sandwich lateral flow immunoassay (sandwich LFIA) principle and is specifically designed to detect the N protein antigen of the Nipah virus. This method employs specific antibodies to capture and visualize the N protein antigen, delivering results rapidly without requiring complex laboratory equipment. **However, this product is for Research Use Only (RUO) and is not intended for clinical diagnostic purposes.**

Kit Components

Nipah Virus Antigen Test Cassette	10 pcs
Extraction Buffer Tube	10 pcs
Dropper	10 pcs
Single-use Sampling Swab	10 pcs
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Sample Requirements and Dilution Conditions

Sample Type	Dilution Requirements
Swab Specimen	Collect a nasopharyngeal sample using a swab and immerse the swab in Extraction Buffer for lysis.

Note: The NiV Nucleocapsid Protein (Catalog No. LDG010PVM) is available for use as a protein standard.

Protocol

1. Remove the Test Cassette from the foil pouch and place it on a clean and level surface.
2. Collect a nasopharyngeal sample using the provided swab.
3. Immerse the swab into the Extraction Buffer Tube, then roll the swab at least five times.
4. Leave the swab in the Extraction Buffer Tube for one minute to ensure thorough lysis.
5. Using the Dropper, dispense 4–5 drops (approximately 100 μ L) of the sample-containing buffer from the Extraction Buffer Tube into the sample well of the Test Cassette.
6. The results should be interpreted after 15 minutes.

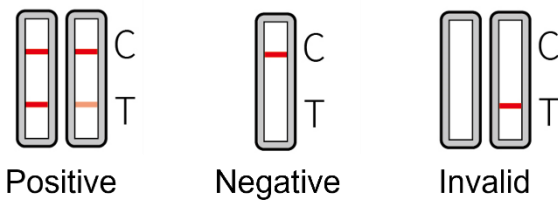
Materials required but not provided

- Timers

Disclaimer

For Research Use or Further Manufacturing Only.

Result Interpretation



Storage

1. Test kits should be stored at room temperature.
2. Test Cassettes must remain in the sealed foil pouch until use, as they are sensitive to humidity.
3. Test kits are for single use only and should not be reused.
4. Do not use the kit if the package is damaged, or the physical appearance is altered.

Example

