Human Metapneumovirus Matrix Protein Antigen Rapid Test Kit (25 strips)

Catalog Number	LDG0005LR
Package	Box

For full product information, images and publications, please visit our website.

Overview

Description

Lateral flow for Human Metapneumovirus Matrix Protein detection

Components

Item	Amount
Human Metapneumovirus Antigen Lateral Flow Device	25 strips
Extraction Buffer	12 mL, 1 bottle
Instruction Manual	1

Specifications

Application

Lateral flow

Sensitivity

NR-22232 Human metapneumovirus TN/91-316 (B2) 1.4×10^2 TCID50/mL

Background

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Background

Human Metapneumovirus (hMPV), a Paramyxoviridae family member, causes respiratory infections. The Matrix (M) protein is essential for viral assembly and budding, shaping virion morphology. X-ray crystallography revealed that hMPV M protein forms two dimers and has a high-affinity Ca^{2+} binding site, with a secondary lower-affinity site identified through molecular simulations. These sites stabilize M protein, and their conservation across human pneumoviruses suggests calcium's role in viral assembly.

Instruction

Shipping

The product is shipped in Room Temperature.

Stability & Storage

- Test kits should be stored at room temperature.
- Test cassettes must remain in sealed foil bags until use as they are sensitive to humidity.
- Test kits should not be reused.
- Do not use the kit if the package is damaged, or the physical appearance is altered.

Image

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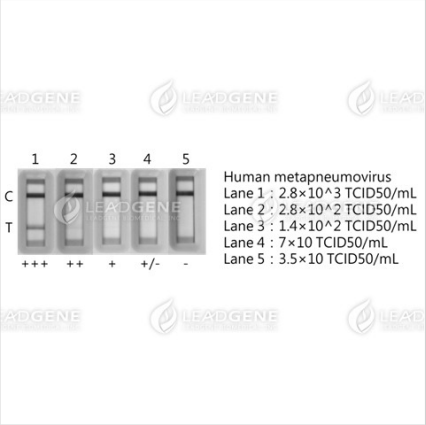

The sensitivity of the Human Metapneumovirus Matrix Protein Antigen Rapid Test Kit .
The LOD (Limit of Detection) for identifying Human metapneumovirus (NR-22232 Human metapneumovirus TN/91-316 (B2)) is approximately 1.4×10^2 TCID50/mL.

Disclaimer : For Research Use or Further Manufacturing Only.

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