

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

Tainan Headquarters

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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

Tainan Headquarters

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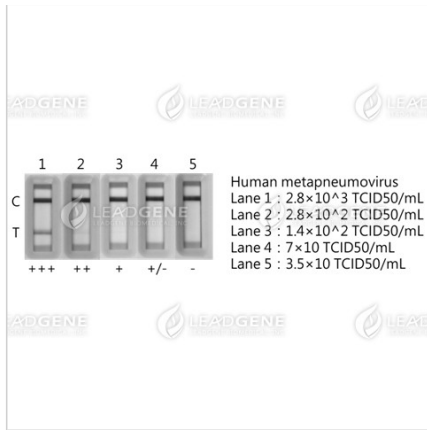
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The sensitivity of the Human
 Metapneumovirus Matrix Protein
 Antigen Rapid Test Kit .

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.