IFN Rapid Test Kit

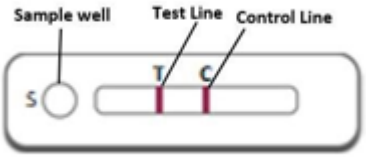
Cat. No. S084-01

INTENDED USE

Sensit IFN Rapid Test is a lateral flow immunoassay designed for the qualitative detection of interferon (IFN) in human samples. This test is intended for research or diagnostic use in detecting immune responses associated with infections, autoimmune disorders, or immune system activation. The test provides results within a short duration and is suitable for point-of-care testing

SUMMARY &TEST DESCRIPTION

Interferons (IFNs) are cytokines that play a critical role in immune responses against viral infections and other immune-related disorders. The IFN Rapid Test is based on gold nanoparticle-labeled antibodies that enable the rapid detection of IFN in biological samples such as serum, plasma, or whole blood. The assay offers a simple and reliable method for identifying IFN presence without the need for specialized laboratory equipment.



TEST PRINCIPLE

The IFN Rapid Test employs a lateral flow chromatographic immunoassay. Gold nanoparticle-conjugated antibodies specific to IFN are pre-coated onto the test strip. When a sample containing IFN is applied to the sample well, it interacts with these antibodies, forming an antigen-antibody complex. This complex migrates along the membrane via capillary action and binds to the IFN-specific capture antibodies at the test line (T-line), leading to a visible color development. A control line (C-line) ensures the test validity by indicating proper sample flow.

PRECAUTION & WARNING

1) Use within 10 minutes after opening pouch.
2) Do not touch result window.
3) Use only the buffer supplied along with the kit.
4) Do not mix components from different kits.
5) Do not use with specimen containing precipitates

MATERIALS PROVIDED

1. Each Kit contains following items:
   a. One test card
   b. Dropper
   c. Desiccant
2. Instruction Leaflet

MATERIAL REQUIRED BUT NOT SUPPLIED

Specimen collection containers.

STORAGE & STABILITY

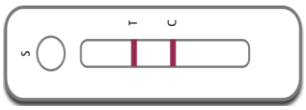
Store the test kit between 4-30°C till the expiration date indicated on the pouch / carton. DO NOT FREEZE. Ensure that the test device is brought to room temperature before opening.

TEST PROCEDURE

1. Remove the test cassette from the sealed pouch and place it on a clean, dry surface.
2. Using the provided dropper, apply 2-3 drops (approximately 70-100 µL) of the sample into the sample well (S).
3. Add 2 drops (approximately 80 µL) of the sample buffer solution into the buffer well (if applicable).
4. Allow the test to develop at room temperature for 10-15 minutes.
5. Interpret results within 15 minutes. Do not read results after 20 minutes.

INTERPRETATION OF RESULT

Positive: Color bands at position C and T.



Negative: Color band at position C.

Invalid: Color band at C does not appear

DESCRIPTIONS OF SYMBOLS USED

The following graphical symbols used in IFN Rapid Test single- step detection of IFN are the most common signs appearing on medical devices and their packaging. They are explained in more detail in the European Standards EN 980: 2008 and INTERNATIONAL Standard ISO 15223-1:2016

Key to symbols used			
	Manufacturer		Expiration/use by date
	Do not reuse		Date of manufacture
	Consult IFU [Instructions For Use]	LOT	Batch code
	Temperature limitation 2-30°C	IVD	In Vitro diagnostic medical device
Σ X	Contains sufficient for 'X ' kits		Do not use if package is damaged
REF	Catalogue No		Keep dry

Please read the user manual carefully before operating to ensure proper use

Manufactured by,

ubio Biotechnology Systems Pvt Ltd
No 15A Biotechnology Zone
KINFRA Hi-Tech Park, Kalamassery
Cochin, Kerala, India 683503
Ph:+91-484-2970043
http://www.ubio.in
e-mail: contact@ubio.co.in

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