



Catalog # **TS02-NA89-20**
Aliquot Size **20 strips**

Nucleic Acid Detection Test Strip

Catalog # TS02-NA89

Lot # 1E2229-2

Product Description

This test strip is designed for the qualitative detection of nucleic acid amplification products labeled with biotin and fluorescein isothiocyanate (FITC or FAM).

Scientific Background

This product is a disposable lateral flow chromatographic test strip. The test line is coated with streptavidin (SA), and latex microspheres are labeled with anti-FITC/FAM antibodies. The test strip uses a sandwich method to detect nucleic acid amplification products containing both Biotin and FITC/FAM labels.

Packaging

20 strips per tube

Storage and Stability

Store product in original packaging, sealed and at room temperature. Product stored under these conditions should be stable for up to 12 months.

Nucleic Acid Detection Test Strip

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Stability	1yr from date of shipment
Storage & Shipping	Store product at room temperature.

To place your order, please contact us by phone 1-778-326-0223 or 1-888-606-3424 (Toll free) or by email: orders@signalchemdx.com or info@signalchemdx.com - www.signalchemdx.com

FOR IN VITRO RESEARCH PURPOSES ONLY. NOT INTENDED FOR USE IN HUMANS OR ANIMALS.

Nucleic Acid Detection Test Strip

Instructions For Use

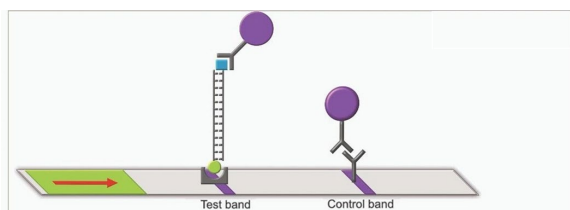
Testing Procedure

- 1) Take out the required number of test strips and label them.
- 2) Open the PCR reaction tube and insert the sample pad of the test strip into the amplification reaction tube. Read the result after 5 minutes. (If the volume of amplification product in the reaction tube is less than 50-100 μ L, add purified water to 50-100 μ L, mix well, and then insert the test strip for detection.)
- 3) After use, place the amplification product and test strip in a sealed bag and dispose of them properly.

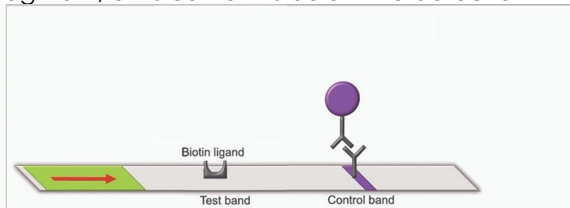
Note: Amplification products obtained using LAMP, RPA, or similar methods may be viscous and flow slowly on the test strip. In such cases, the amplification product can be appropriately diluted with water before testing.

Result Interpretation

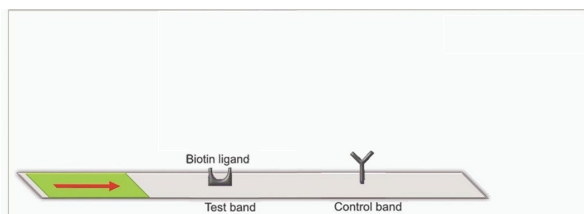
Positive (+): If the Control line (C-line) shows color, and the Test line (T-line) is visible to the naked eye it is interpreted as a positive result, indicating that the target nucleic acid fragment in the sample is equal to or above the detection limit of the test strip.



Negative (-): If the C-line shows color, but the T-line does not. It indicates a negative result, meaning that the sample does not contain the target nucleic acid fragment, or its content is below the detection limit of the test strip.



Invalid: If the C-line does not show color, regardless of whether the T-line shows color or not, it indicates an operational error or that the test strip has deteriorated. In this case, carefully read the user manual again and retest. If the issue persists, contact the supplier.



Precautions

- 1) This product is for single use only; do not reuse or use expired products.
- 2) Strictly follow the instructions and operating procedures provided in this manual.
- 3) Use the product at room temperature (25 \pm 10 $^{\circ}$ C). If stored at a low temperature, allow the product to return to room temperature before use.
- 4) Do not open the test strips before use. If the sealed packaging is damaged, do not use the test strips. Opened test strips are recommended to be used within one hour.
- 5) After use, promptly place the test strips in a sealed bag and dispose of them properly.

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