



Catalog #	Aliquot Size
TS01-CS89-20	20 strips

CAS System Nucleic Acid Detection Test Strip

Catalog # TS01-CS89

Lot # 1E2229-1

Product Description

This strip is designed for use in the CAS system to qualitatively detect whether the nucleic acid probe, labeled with biotin and fluorescein isothiocyanate (FITC or FAM), has been cleaved by the CAS enzyme.

Scientific Background

This product is a lateral flow chromatographic test strip with two bands: a lower control line and an upper test line. Streptavidin (SA) is coated at the control line, and goat anti-mouse antibody is coated at the test line. Complete CAS system probes (labeled with both Biotin and FITC) can link all the colloidal gold to the control line. When a probe is cut by the CAS enzyme, the colloidal gold bound with the cut fragment will not be captured at the control line, resulting in the formation of the test line. The presence or absence of the test line indicates the activation of the CAS enzyme.

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.

CAS System Nucleic Acid Detection Test Strip

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Stability	1 yr 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

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CAS System Nucleic Acid Detection Test Strip

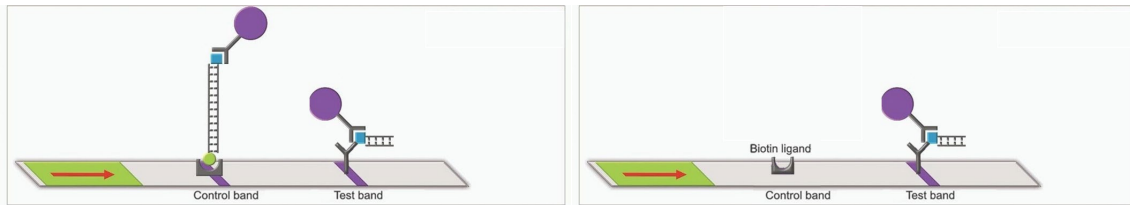
Instructions For Use

Testing Procedure

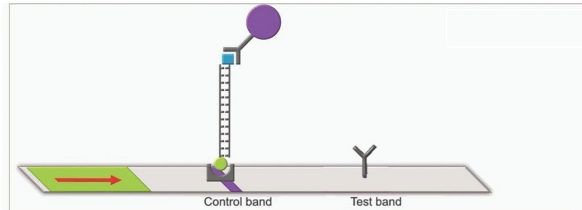
- 1) Take out the required number of test strips and label them.
- 2) Add 50µl of CAS enzyme-treated amplification product or diluted product to a PCR tube.
- 3) Insert the test strip with the sample pad downwards and wait for 5-10 minutes at room temperature before reading the result.
- 4) After use, seal the amplification product and test strip in a sealed bag and dispose of them properly.

Result Interpretation

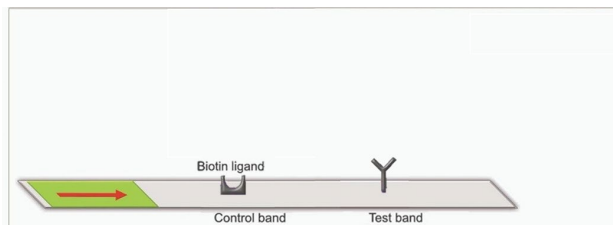
Positive (+): The Test line (T-line) is visible to the naked eye, indicating a positive result, meaning that the nucleic acid probe has been cleaved by the CAS enzyme, and the CAS enzyme is activated.



Negative (-): The T-line does not show color, indicating that the nucleic acid probe has not been cleaved by the CAS enzyme, and the CAS enzyme is not activated.



Invalid: If both the Control line (C-line) and T-line do not show color, 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±10 °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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