



Life TechnologiesTM
Your Molecular & Cell Technology Partner

LT18002AYSL

AVIAN INFLUENZA VIRUS H7 ANTIGEN RAPID TEST CARD

Research Use Only

For *in vitro* applications - not for consumption

1800-120-2434

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VERSION 1.2B

1.INTENDED USE AND PRINCIPLE

This kit is used to detect Avian influenza virus sub-type H7 (AIV-H7) antigen in birds trachea or cloaca secretions and can be used for screening and auxiliary diagnosis of avian influenza virus infection.

The test is based on colloidal gold immunochromatographic assay to detect all subtype of AIV-H7. After adding sample into sample well, it moves along with Colloidal gold markers, if there is AIV-H7 antigen in the sample, it will form a complex with colloidal gold markers, it keeps moving, the complex will combine with pre-coated antibody on T line and make T line appear red color. If there is no AIV-H7 antigen in the sample, then no color reaction will occur. C line is control line, it should always appear for valid test result.

2.KIT CONTENTS

AIV-H7 Ag test card [40 pieces]
Dropper [40 pieces]
Swab [40 pieces]
Sample Buffer [40 bottles]
Manual [1 piece]

Specifications: 40 tests/kit

Storage and Expiry: 4-25°C in dark, sealed, dry place. No freezing. The shelf life is 24 months.

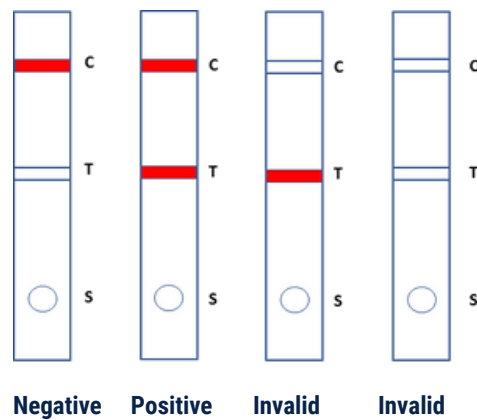
3.SAMPLE PREPARATIONS

- 1) Collect samples from poultry laryngeal tracheal secretions, cloacal discharge. Insert the Swab into parts with most secretions, gently swipe the swab, make swab to fully absorb the secretions.
- 2) Put the Swab into sample buffer, fully stir and squeeze at the test tube wall to make secretions fully dissolved in the sample buffer and get the testing sample completely.
- 3) Usually need to test the testing sample when it is ready, otherwise sample needs to be stored in cold (2~8°C). For more than 24 hours, store at -20°C.

4.PROCEDURE

- 1) Read the manual carefully and return the test card and sample to room temperature before use.
- 2) Take out test card, use dropper to absorb the up-layer clear sample, drop 2-3 drops sample into well marked "S" vertically and slowly; or use Micropipette to transfer 70ul sample into well.
- 3) Read the results in 15min at room temperature.

5.RESULT INTERPRETATION



Negative (-): Pink/Red/Purple colored band is visible only on Control Line (C Line) but not on the Test Line (T Line). It means there is no AIV-H7 Ag in the tested sample or the Ag level is lower than the detection threshold.

Positive (+): Pink/Red/Purple colored band is visible on both Control Line (C Line) and Test Line (T Line). It means there is AIV-H7 Ag in the tested sample.

Invalid: If No color is seen on Control Line (C Line) then irrespective of the presence or absence of colored band on T Line, the test is invalid. Another kit should be used for testing.

6.NOTE

- 1) This product is only for in vitro rapid diagnostic veterinary use, can not be quantified, do only qualitative testing.
- 2) Bring test card to room temperature if it was stored in cold before use. Use the test card soon after opening the bag to avoid moisture led invalidation.
- 3) Avoid repeated freezing and thawing of samples. Collected samples should be immediately tested. Avoid long-term storage.
- 4) The collection of samples directly affects the accuracy of detection, so ensure that the samples are collected correctly and adequately.
- 5) Avoid bubble when adding samples to the wells of the test card.
- 6) The test results are for reference only, for confirmation, please refer to the relevant national standard methods.

7.TROUBLESHOOTING

We understand research is challenging as it is but it can get very frustrating when experiments themselves don't go as they should. That is the precise reason why we strive to ensure that all our products work for the application shown in their respective data sheets.

Still if you have any concerns please feel free to write to us at customerservice@lifetechindia.com



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