Chicken-Derived Material Lateral Flow Assay Kit
Catalog No: E-FS-C139
20T/40T/80T

Version Number:	V1.0
Replace version:	/
Revision Date:	2025.06.18

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

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Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This kit uses the principle of sandwich immunochromatography assay for the qualitative detection. It can detect of chicken source components in the samples.

Kits components

Item	Specifications
Detection Card	40 T/kit
Sample Extraction Buffer	40 vials
Swab	40 pieces
Dropper	40 pieces
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

Other supplies required

Instruments: Homogenizer, Centrifuge, Graduated pipette, Balance (sensibility 0.01g), Oscillator, Water bath.

High-precision transferpettor: Single channel (20-200 μL, 100-1000 μL).

Notes

1. FOR RESEARCH USE ONLY. Do not use product out of date or in a broken aluminum foil.
2. Bring detection card to room temperature before opening the aluminum foil. The opening detection card should be used as soon as possible so as not to be invalid because of moisture.
3. Avoid of contacting the white membrane at the middle of the sample well.
4. The disposable dropper cannot be mixing to avoid the cross-contaminant.
5. The tested sample should be clear, no turbidity particle and no bacterial pollution, otherwise it is easy to result in abnormal phenomena such as obstruction and unobvious color which affect the judgment of the experiment result.
6. If the samples are not indicated in the manual, a preliminary experiment to determine the validity of the kit is necessary.
7. **Each reagent is optimized for use in the E-FS-C139. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-FS-C139 with different lot numbers.**
8. The kit is used for rapid screening of actual samples. If the test result is positive, the instrument method such as HPLC, LC/MS, etc. can be used for quantitative confirmation.

Storage and expiry date

Storage: Store at 2-30°C. With cool and dry environment.

Expiry date: expiration date is on the packing box.

Sample pretreatment

Restore all reagents and samples to room temperature before use.

1. Sample pretreatment Notice:

Experimental apparatus should be clean, and the disposable dropper should be disposable to avoid the experiment result be interfered by the contamination.

2. Pretreatment of the surface tissue fluid of meat

(1) Using a swab, absorb tissue fluid from the surface of the sample to be tested. Then soak the swab in the extraction solution for 10 s. Vigorously stir and mix the solution for 10-20 s (moving the swab up, down, left, and right) to ensure the sample dissolves as completely as possible.
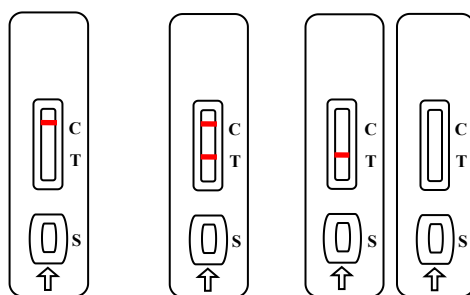
(2) Remove the swab.

3. Pretreatment of muscle

(1) Use scissors to cut 0.1±0.05 g (about the size of a soybean) of meat pieces. Add the meat pieces to the extraction solution and let them soak for 10 s. Then, use a swab to squeeze the meat pieces 5 to 6 times and stir thoroughly up, down, left and right for 10 to 20 s. This is the solution to be tested.

Experiment procedure

1. Tear the aluminum foil bag of the detection card and take out the detection card, dropper and put it on a smooth, clean table.

2. Take 100 μL (about 3 droppers) sample into the sample well of detection card.

3. Allow it to react at room temperature for 5-10 min before interpreting the results, the result out of 15 min is invalid.

Judgment of result

1. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.

2. **Negative:** Only the control line region (C) shows a line in the observation well.

3. **Invalid:** No color line shows in the observation well of the control line region (C). It indicates that the operation is wrong or the detection card is invalid, please carry out another detection.

Negative   Positive   Invalid