

Florfenicol (FF) Rapid Kit(Catalog #:TB03)

【Intended Application】

The kit is used for the rapid detection of Florfenicol (FF) residues in livestock and poultry meat, as well as aquatic products (fish, shrimp, crab)

【Storage Conditions】

The kit shall be stored at 2°C to 30°C (35.6°F to 86°F) in dry environment.

Shelf life: 12 months. The date of manufacture is presented in the label of the box.

【Technique Data】

Limit of detection (LOD): 100ppb (ppb=μg/kg)

【Kit Content】

Package specification	20T/Kit
Test device (with disposable dropper)	20
Assay diluent	3 vials
Instruction	1

【Materials Required but Not Supplied】

- ❖ Equipment: grinder (for crushing solid samples), vortex mixer (for shake and mix), centrifuge, and balance with a division value of 0.01 g.
- ❖ Micropipettes: single-channel (20-200μL and 100-1000μL)
- ❖ Reagents: Methanol, n-Hexane.

【Sample Pre-treatment】

Please note that the labware must be clean. Use disposable pipette tips to avoid contamination of interference results.

➤ Sample pretreatment step:

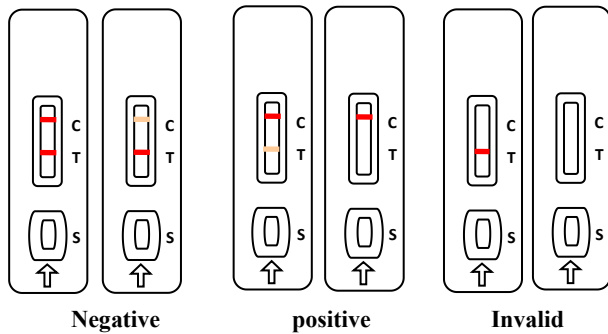
1. Animal tissue treatment.

- 1) Remove skin and fat from fish, shrimp, crab, livestock, poultry meat, and organs. Homogenize the sample using a grinder. Take 1g±0.1g of the defatted tissue sample and place it into a 15mL centrifuge tube.
- 2) Add 5 mL of Assay diluent, vortex vigorously for 2 minutes, and centrifuge at 4000 rpm for 3 minutes at room temperature.
- 3) Transfer 0.1 mL of the supernatant (avoid drawing any oil) into a 5 mL centrifuge tube, add 1 mL of Assay diluent, and mix well by hand. This mixture is the **test solution**.

【Test Steps】

- 1) Tear the foil pouch, take out of the test card, and put on a flat, clean work surface.
- 2) Pipette the test solution with the provided dropper, then add 4 drops (approximately 100μL) vertically and slowly (Avoid the generation of bubbles) into the sample hole("S") Start timing.
- 3) Read the result at room temperature in 5 to 8 minutes. Results read at any other time are invalid.

【Results Judgement】



- **Negative:** Test("T") line and control("C") line both appear in the result window. The color of the test("T") line is consistent or deeper than the control("C") line. It indicates that the concentration of FF in the sample is below the detection limit, or absent.
- **Positive:** In the result window, the control("C") line appears, while the Test("T") line does not appear or appears lighter in color than the control("C") line. It indicates that the concentration of FF in the sample is above the detection limit.
- **Invalid:** If the control("C") line does not appear, the result might be considered invalid.

【Notice】

- Don't use the expired or damaged products.
- When the test card is taken out of the refrigerator, it should be restored to the room temperature and then opened. The opened test card should be used as soon as possible to avoid failure after being affected by moisture.
- Avoid touching the white nitrocellulose membrane in the middle of the detection card.
- In order to avoid cross-contamination, the droppers cannot pipet another Solution after pipetting one.
- The sample solution to be examined needs to be clear and free of turbid particles. Otherwise, it is prone to lead to blockage, non-obvious color development and other abnormalities, affecting the determination of the experimental results.