CPFX (Ciprofloxacin) Lateral Flow Assay Kit

Catalog No: E-FS-C131

40T

Version Number:	V1.3
Replace version:	V1.2
Revision Date:	2026.05.29

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Email: techsupport@elabscience.com
Website: www.elabscience.com

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 immunochromatography assay for the qualitative detection. It can detect CPFX (Ciprofloxacin) in samples, such as shrimp, fish etc. After adding the sample solution into the sample well of detection card, CPFX of the sample solution combine with the gold-labelled antibody, so as to prevent the combining of gold-labelled antibody with CPFX conjugate on the cellulose membrane. When the color of test line (T) is lighter than control line (C) or turns colorless, it indicates the content of CPFX in the sample is higher than detection limit or the sample.

Technical indicator

Detection limit: Tissue, aquatic products---100 ppb.

Kits components

Item	Specifications
Detection card (with disposable dropper)	40 T/kit
Sample Diluent	4 vials
Manual	1 copy

Other materials required but not supplied

Instruments: Homogenizer, Oscillators, Centrifuge, Graduated pipette, Balance (sensibility 0.01).

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 Do not use product out of date or in a broken aluminum foil.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. The detection card should be adjusted to room temperature after removed from the refrigerator before opening. 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, unobvious color, etc., which affect the judgment of the experiment result.
6. **Each reagent is optimized for use in the E-FS-C131. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-FS-C131 with different lot numbers.**
7. 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℃. 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. **Sample pretreatment procedure:**

2.1 Sample pretreatment of muscle sample:

(1) Remove the skin and fat of animal, homogenize with homogenizer.

(2) Weigh 1±0.05 g of homogenized sample into 10 mL centrifuge tube.

(3) Add 5 mL of **Sample Diluent** to the centrifuge tube, seal it tightly, vigorously vortex for 1 min, and centrifuge at 4000 g for 5 min.

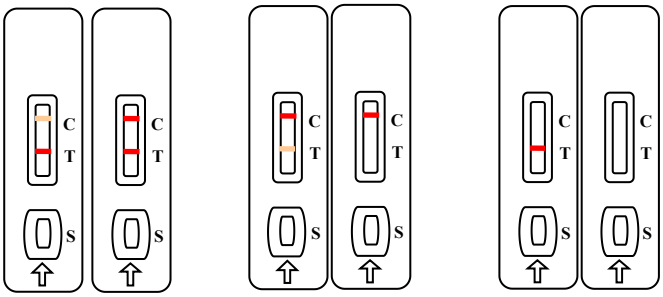
(4) Transfer 50 µL of the supernatant solution into a 1.5 mL centrifuge tube using a pipette, then add 600 µL of Sample Diluent and mix thoroughly for testing.

Experiment procedure

1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.
2. Take the prepared clear sample supernatant with the matching disposable dropper, add 100µL (approximately 3 drops) of sample to the sample well (S) vertically and slowly (Avoid foaming).
3. Incubate for 5 to 8 min and then judge the results immediately.

Judgment of result

1. **Negative:** The control line region (C) show a line, the test line region (T) shows equal or darker than line C. It indicates the content of CPFX in the sample is lower than detection limit or the sample doesn't contain CPFX.
2. **Positive:** The control line region (C) show color, the test line region (T) shows no color or lighter color than line C. It indicates the content of CPFX in the sample is higher than detection limit.
3. **Invalid:** The control line region (C) shows no color. It indicates operation process is wrong or the test card is invalid.



Negative Positive Invalid