

**OCHRATOXIN A (OTA) RAPID
TEST STRIP
MANUAL**

Ochratoxin (OTA) Rapid Test Strip

Catalogue Number. IP100114

Brief

This product is used for testing Ochratoxin residue in grain and feed. The whole test need about 5 - 10min, suitable for on-site rapid qualitative detection. The sensitivity is 5ng/ml(5ppb).

Technical Specifications

Specifications: 96 stripes/kit

Detection limit: Honey: 0.5ng/g (0.5ppb)

Components

| | | |
|---|---------------------------------|---------------|
| 1 | Ochratoxin A rapid test card | 40 pieces/kit |
| 2 | Extract buffer (Ethyl acetate). | 2 tubes |
| 3 | Sample buffer | 2 tubes |
| 4 | 15 ml centrifuge tube | 4 pieces |
| 5 | 5 ml centrifuge tube | 8 pieces |
| 6 | Manual | 1 piece |

Sample Preparation

Sample preparation of grain and feed

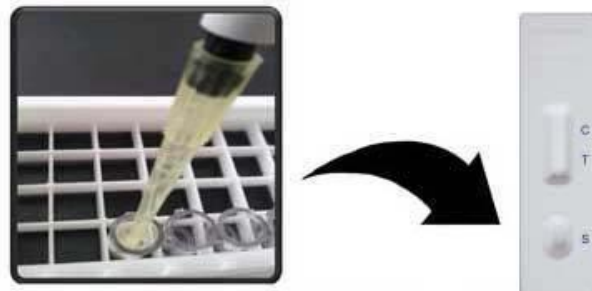
- 1) Take above 5g of representative samples of feed and grain (rice, wheat, corn, peanuts) to crush (through a 20-mesh sieve), weigh accurately 2g crushed sample into the 15ml centrifuge tube.
- 2) Add accurately 3ml Extract buffer (Ethyl acetate) into the 15ml centrifuge tube, cup and seal, shake strongly for 3min, centrifuge at 4000 rpm for 3min.
- 3) Use dropper to absorb 1ml up-layer clear liquid from the 15ml centrifuge tube into the 5ml centrifuge tube, blow to dry by nitrogen-drying device or hair dryer (it is normal to have some yellow fat in the bottom of tube), add 0.3ml sample buffer (about 10 drops by dropper) into the dry 5ml centrifuge tube to re-dissolve the dry residue, the solution is the sample ready to test.

Operation procedures

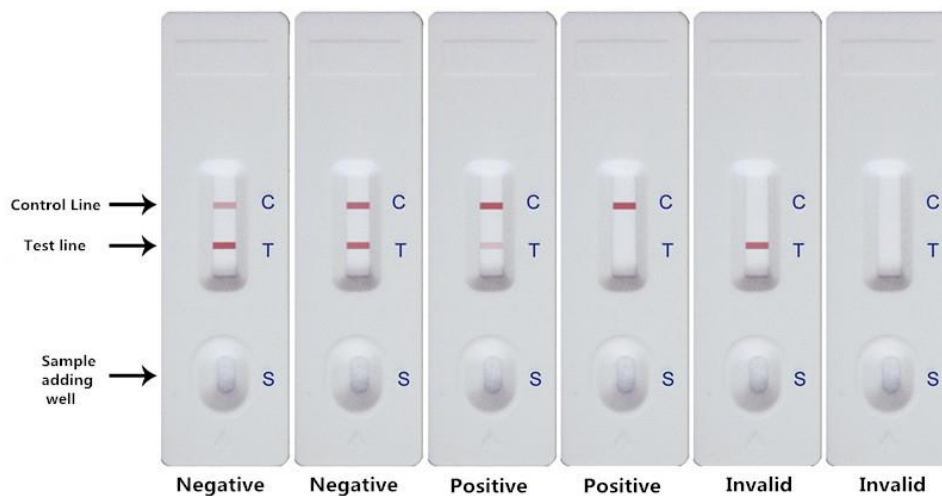
1. Read the instruction before use, return the test card, prepared sample into room temperature (20°C-30°C) before testing, do not open the foil bag without preparation.
2. Open the foil bag, take out test card/microwell/dropper(total 3 items), put it flatly.
3. Use dropper absorb 150ul (about 5 drops) above prepared solution into microwell, use dropper blow and beat gently for 30s, dissolve the red materials in the bottom of microwell completely, be static, wait to react for 2min, absorb the red solution, gently blow and beat for 10s, then transfer all solution into "S" well on test card and begin timing.
4. Read the result in 5-8 minutes, It is invalid beyond 30mins.

Test Result Interpretation

1. **Negative** (—): Both C line and T line appear, the color of T line is darker than or same as C line, it means the Ochratoxin A concentration is lower than 5ug/kg or no Ochratoxin A residue.
2. **Positive** (+): The color of T line is lighter than C line or T line is invisible, it means the Ochratoxin A concentration is higher than 5ug/kg. The lighter of T line compare with C line, the higher concentration of Ochratoxin A in sample.
3. **Invalid**: C line is invisible, maybe it is the operation error or test card is invalid. Read the manual, use new test card to test again. If the problem keep happening, please stop using this lot no. product and contact local supplier.



Take out microwells from package, use Pipette absorb 150ul sample into microwell, beat and blow evenly, then transfer all liquid into "S" well on test card, be static for 5-8min, read the result.



Precautions

1. Use test card for once during expiry date;
2. Avoid direct sunlight and direct blowing of fan during testing;
3. Do not touch the white membrane surface in the middle of test card;
4. Tap water, distilled water or deionized water cannot be used as negative control;
5. Take care to ensure that the sample is fresh and avoid failure or contamination due to deterioration. When a positive result occurs, it is recommended to use this card to test again or according to legal procedures to separate the packaged samples for confirmation testing.
6. Safety Tip: Wear gloves during the whole experiment. The used glass and plastic bottles should wash with tap water inside and outside. The glass bottles and plastic bottles are placed separately in

the designated special recycling bags. After the garbage collection bags are full, notify the outside eco-car, and recycle the waste according to the garbage classification.

Storage: Store at 2-30 °C in dark, no frozen.

Expiry date: 12 months; date of production is on box.