

Ochratoxin A (OTA) rapid test strip

Catalog No. LSY-20078



1. Brief

This product is used for testing Ochratoxin A residue in grain and feed simple, suitable for site rapid testing of all kinds of enterprises, testing agencies and supervision departments.

The grain detection limit is 5 ug/kg (5 ppb), feed detection limit is 100ug/kg (100 ppb).

2. Contents

- 1) Ochratoxin A (OTA) rapid test strip (50 tests/kit)
- 2) Sample buffer 1 bottle/kit
- 3) Manual 1 piece/kit

3. Materials required but not provided

Balance(a reciprocal sensibility of 0.1 g and above), Micropipettors: 20~200 μ L, 100~1000 μ L, centrifuge tube: 50ml, 2ml, Methanol (AR), purified water, Vortex, Centrifuge, Timer.

4. Sample pre-treatment.

4.1 Grain

- 1) Weigh 5.0g evenly crushed sample (Through a 20 mesh) to 50ml centrifuge tube, then take 10ml 70% methanol-water solution, plug and shake for 5min, put aside or centrifuge at 4000rpm for 5 min

to get supernatant;

2) Absorb 1ml supernatant to Evaporating dish or centrifuge tube, evaporate to dry at water bath at 50°C (no more than 60°C) or nitrogen-drying device/hair drier;

3) Add 500 ul sample buffer into centrifuge tube, vortex until fully dissolve the dry residue on well; ready to test.

4.2 Feed

1) Weigh 5.0g evenly crushed sample (Through a 20 mesh) to 50ml centrifuge tube, then take 20ml 70% methanol-water solution, plug and shake for 5min, put aside or centrifuge at 4000rpm for 5 min to get supernatant;

2) Take 200ul the supernatant, add 800 ul sample buffer; ready to test.

5. Operation procedures

5.1 Read the Manual before test;

5.2 Unpack package, take out test card, use it in one hour;

5.3 Drop 100 uL (2-3 drops) sample in the Sample collect region, timing;

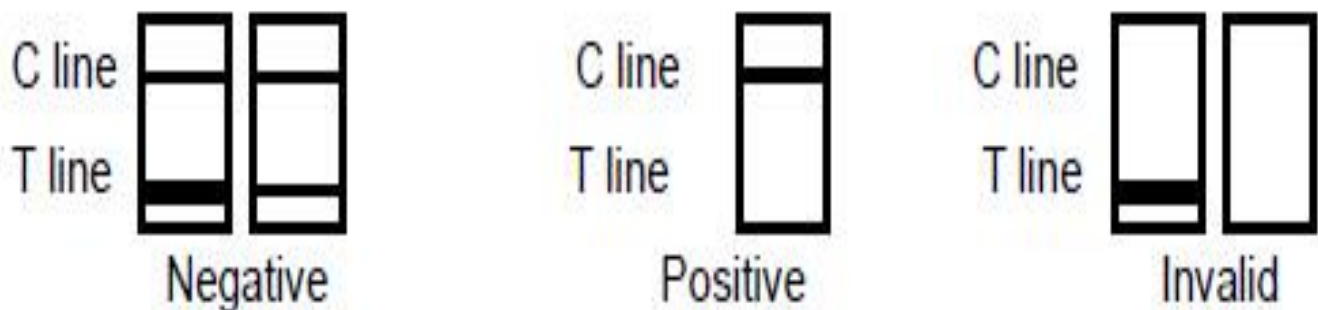
5.4 Wait for 5 min to read the result.(It's invalid after 10 minutes)

6. Test Result Interpretation

6.1 Negative (-): Both C、 T line appear. It means there is no OTA residue or the concentration is lower than the detection limit.

6.2 Positive (+): T line is invisible. It means the OTA residue in higher than the detection limit.

6.3 Invalid: C line is invisible, it means the operation is wrong or the test strip is invalid.



7. Precautions

1. Use the test strip in expiry date for one time;
2. Return the test strip and sample to room temperature before test;
3. Do not touch the middle while membrane on test card;
4. Avoid sunshine and fan blow directly;
5. If the supernatant is too acid or too alkaline, use 1.0mol/L NaOH or HCL solution to adjust the supernatant Ph=7.0;
6. Contact the supplier for any questions.

8. Storage and expiry date

Storage: Store at 4-30 °C in dark, no frozen.

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

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