

Trichothecenes (T-2) rapid test strip

Catalog No. LSY-20087



1. Brief

This product, based on colloidal gold competition method, is used for testing Trichothecenes (T-2) residue in grain and feed simple, suitable for site rapid testing of all kinds of enterprises, testing agencies and supervision departments.

2. Detection limit

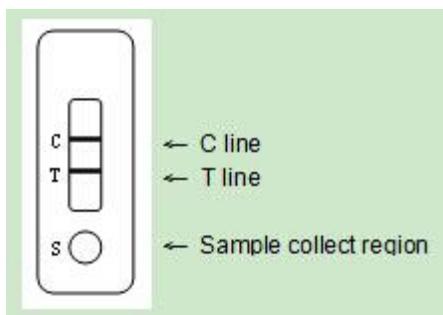
100 ug/kg (100ppb)

3. Sample

Corn, wheat etc. Grain and Feed ingredient and finished feed.

4. Contents

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



5. Materials required but not provided

- 1) Balance (a sensibility reciprocal of 0.1 g and above)
- 2) Micropipettors (single-channel 20-200 μL , 100-1000 μL)
- 3) Centrifuge tube (50ml, 2ml)
- 4) Methanol (AR), pure water
- 5) Vortex, centrifuge, timer

6. Solution preparation

50% Methanol-water solution: 50ml Methanol (AR) + 50ml pure water

7. Sample treatment.

- 1) Weigh 5.0g evenly crushed sample (Through a 20 mesh) to 50ml centrifuge tube, add 20ml 50% methanol-water solution, plug and shake for 5min, put aside or centrifuge at 4000r/min for 5 min to get supernatant(up-layer) (DDGS and Corn germ meal supernatant need to use 1.0mol/L NaOH or HCL solution to adjust the supernatant Ph=7.0);
- 2) Take 100ul supernatant, add 500ul Sample buffer, mix evenly, ready to test.

8. Operation procedures

- 8.1 Read the Manual, return test strips and sample buffer into room temperature before test;
- 8.2 Unpack package, take out test card, use it in one hour;

8.3 Use Micropipettors to take 200ul solution into micro-well, beat and blow the solution until the red material dissolved completely, insert the test strip, timing;

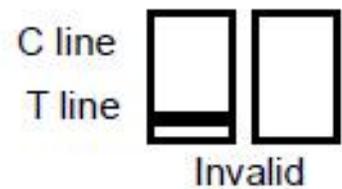
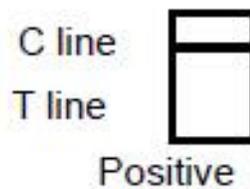
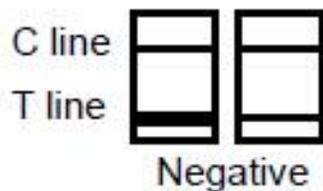
8.4 Read the result in 5 minutes.(It's invalid for other time)

9. Test Result Interpretation

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

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

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



10 Precaution

- 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) Contact the supplier for any questions.

11. 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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