

Zearalenone(ZEN) rapid test strip

Catalogue No.: LSY-20085



1. Brief

This product is used for testing Zearalenone(ZEN) residue in grain and feed. The whole test need about 15 min, The detection limit is **200ug/kg (ppb)**, suitable for all kinds of enterprises and Inspection agency.

2. Components

1) Zearalenone(ZEN)colloidal gold test strip(include test strips, micro-well, dropper and desiccant)

(50 pieces/kit)

2) Manual (1 piece/kit)

3. Sample preparation

1) Take 1g homogenized sample into 15ml centrifuge tube;

2) Add 10ml 20% Methanol water(Methanol:water=2:8), shake up-and-down for 1min, centrifuge at 4000r/min for 5min;

3) Use Pipettes to take 120ul up-layer solution into micro-well, ready to test.

4. Operation procedures

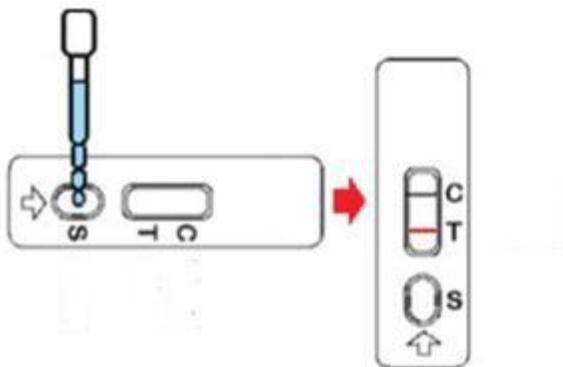
1) Read the manual carefully. Return the test strips and sample into room temperature

(20°C–30°C) before use.

2) Open a package and take out the test strip (Use it immediately after opening package).

3) Use Pipettes to take 120ul up-layer solution into micro-well, wait 2 minutes, use dropper to beat and blow the solution until the red material dissolved completely.

4) Absorb all the solution in the micro-well into sample collecting well, timing after adding sample. Read the result in 8-10 minutes, otherwise it is invalid.



Note: S means Sample Collecting Region

C means Control Line

T means Test Line

5. Test Result Interpretation



Negative Positive Invalid

5.1 Negative (—): T line appear, it means the Zearalenone concentration is lower than detection limit or no Zearalenone residue.

5.2 Positive (+): T line is invisible, it means the Zearalenone concentration is higher than the detection limit.

5.3 Invalid: C line is invisible, maybe it is the operation error or test strip is invalid. Read the manuals, use new test strip to test again.

6. Precautions

- 1) Use test card for once during expiry date;
- 2) Do not use test card out of expiry date, deal with the waste properly;
- 3) Do not touch the white membrane surface in the middle of test card;
- 4) Do not repeat use the dropper to avoid cross pollution; .
- 5) Do not eat any of the reagents;
- 6) If need to test standard directly, please use our PBST buffer to make;
- 7) Contact the supplier for any questions.

7. Specificity

This product has no cross reaction with Aflatoxin B1, Fumonisin and Deoxynivalenol in grain and oil..

8. Precision

Use this product and Zearalenone ELISA test kit at the same time to test 250 samples including 130 negative sample and 120 positive sample, the results show that the coincidence rate is 92.6% between this product and Zearalenone ELISA test kit.

9. 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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