

Penicillin Rapid Test strips

Catalogue No.: LSY-20068



1. Brief

This product is used for testing Penicillin residue in **honey sample**. The sensitivity of Penicillin is **40µg/kg (ppb)**, the whole testing only needs 25 min, suitable for all kinds of enterprises and Inspection agency.

2. Components

1) Penicillin colloidal gold rapid test strip

(Including tablet, gold label well, dropper, desiccant) 50 pieces/kit

2) Penicillin PBST buffer 1 bottle/kit

3) Manuals 1 piece/kit

3. Materials needed but not provided

1.5ml graduated centrifuge tube, balance (a sensibility reciprocal of 0.01 g), Micropipettes

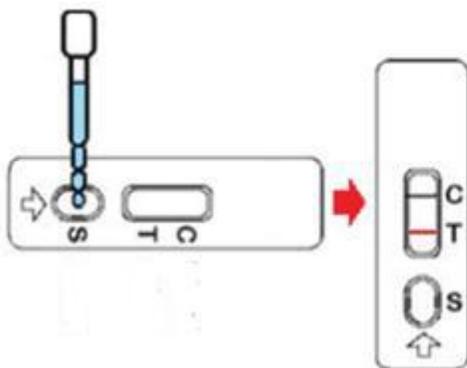
4. Sample preparation

For non-crystallized honey sample, stir directly to even; For crystalline sample, incubate at 60°C~ 80°C hot water in a close environment, stir the honey until all the samples melted.

- 1) Weigh 0.1g honey sample into 1.5ml graduated centrifuge tube;
- 2) Add 0.9ml Penicillin PBST Buffer, use dropper drop the buffer and absorb buffer to wash the inner well, making the two mixed evenly.
- 3) Use Micropipettes to absorb 200ul solution into gold label well, ready to test.

5. Operation procedures

- 1) Read the Manual, return the test strips and sample solution to room temperature. (20°C~30°C) before testing.
- 2) Take out the gold label well, use Micropipettes to absorb 200ul up-layer solution into gold label well, wait for 2 min, use small dropper to blow and beat until the red material is completely dissolved, wait to react for 2min,
- 3) Use dropper absorb all sample from the well, vertically add it into sample collecting well (as following picture), timing after adding sample.
- 4) 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

6. Test Result Interpretation



Negative Positive Invalid

6.1 Negative (—): T line is visible (T line, near Sample Collecting Region), it means the Penicillin concentration is lower than 40µg/kg or no Penicillin residue.

6.2 Positive (+): T line is invisible, it means the Penicillin concentration is higher than 40µg/kg.

6.3 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.

7. Precautions

- 1) The test card is disposable.
- 2) Do not use test card out of expiry date, proper handling the waste.
- 3) Do not touch the white membrane surface in the middle of test card.
- 4) Do not repeat use the dropper, to avoid cross-reaction.
- 5) Do not eat any of the reagents.
- 6) Contact the supplier for any questions.
- 7) If need to test standard directly, please use our PBST buffer to prepare.

8. Specificity

This product has no cross-reaction with Streptomycin, Chloramphenicol, Sulfonamides etc

9. Precision

Use this product and Penicillin ELISA test kit at the same time to test 566 samples including 188 negative samples and 378 positive samples, the results show that the coincidence rate is 98.5% between this product and Penicillin ELISA test kit.

10. 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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