

HoneyGuard Tetracyclines Rapid Test card

1. Principle

This kit is based on the specific reaction of antibody-antigen and immunochromatography. tetracyclines antibiotics in the sample compete for the antibody with the antigen coated on the membrane of the test card. Then after a color reaction, the result can be observed.

2. Applications

This kit is used for rapid qualitative analysis of tetracyclines in honey sample.

3. Detection Limit (LOD)

Tetracyclines	LOD(μg/L)	Tetracyclines	LOD(μg/L)
tetracycline	10	doxycycline	15
aureomycin	20	oxytetracycline	10

4. Kit components

- 50 test cards
- Sample extraction solution 3x55ml
- 10ml polystyrene centrifuge tube, 50pcs
- Instruction

5. Sample prepare method :

(1) If the honey sample crystallized ,warm it in water bath not high than 60℃, till the honey sample thaw ,mix completely ,cooling as room temperature , then weight for assay.

(2) Weigh 1.0±0.05g homogenate into a 10ml polystyrene centrifuge tube, add 3ml sample extraction solution, vortex for 2min or shake it by hand until the sample is mixed completely.

6. Assay operations.

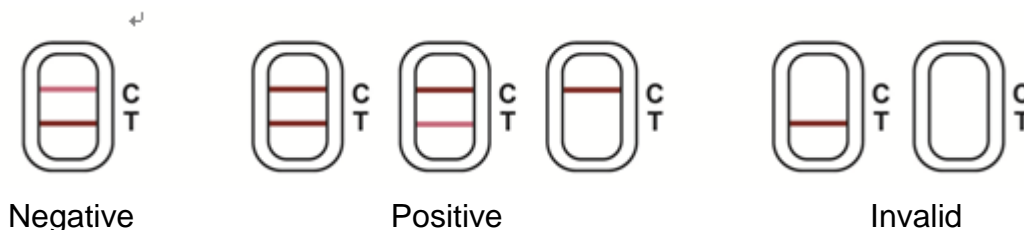
- (1) Take bottles needed from the kit package, take out required cards, and make proper marks. Please use these test cards within 1h after open package.
- (2) Take 100μl prepared sample into the sample hole by pipette, then start the timer after liquid flow;
- (3) Incubate for 10min at room temperature ; judge the result according to **Part 7**

7.Results

There are 2 lines in the card result area, **Control line** and **Tetracyclines Line**, which are briefly used as “**B**” and “**T**”. The test results will depend on the color of these lines. The following diagram describes the result identification.

Negative: Control line and Test line both are red and T Line is darker than the control line;

Tetracyclines Positive: Control Line is red, T Line has no color or T Line is lighter color than C line, or the T Line is the same as C Line.



Please notice: Control line is used as a quality indicator, which will always appear regardless of the B/T line. If Control line does **NOT** appear, this indicates that the result is **invalid**. Users please check the kit insert again and re-do the assay with new test card.

8 Notice for operations

- (1) Please do the assay following the instruction, do not touch the membrane of the card. avoid the directly sunlight .
- (2) This strip is used for only once; please do not use it repeatedly.
- (3) Different LOT could not mixing use.
- (4) This kit is only for screening test, positive result should be further confirmed with other method.

9. Specificity

This products have no cross reaction with 100ng/g sulfamethazine, enrofloxacin etc, show negative results.

10.Storage

2-30°C in dark dry place, do not freeze. The kit will be valid in 12 months. The lot number and expired date are printed on the package.