

MALACHITE GREEN RAPID TEST STRIP
MANUAL

Malachite Green Rapid Test Strip (for Tissue , Fish, Shrimp, Chicken, Pork)

Catalogue Number. IP100069

Brief

This product is used for testing Malachite green and Leucomalachite Green in Tissue (include Pork, Chicken, Fish, Shrimp etc.) sample qualitatively. Easy to operate, high sensitivity.

Principle

The Malachite green rapid test card is based on competitive inhibition immuno-chromatographic principle. In the flow process, Malachite green in the sample combined with Malachite green specific colloidal gold-labeled monoclonal antibody, Inhibit the combination between antibody and Malachite green-BSA conjugate on Test line of NC membrane, lead to the color change of Test line. When the sample has no Malachite green residue or concentration lower than detection limit, T line is darker than C line or T line has same color with C line; when the concentration is equal to or higher than detection limit, T line is obviously lighter than C line or T line has no color. No matter whether there is Malachite green residue in sample, C line will appear, it means the test is valid.

Technical specifications

10 strips/tube

Detection limit Tissue:0.5ppb

Components

1	Malachite green rapid test tube (include test strips, desiccant, micro-wells reagent)	10 T
2	manual	1 pieces
3	Reagent 1	1 bottle
4	Reagent 2	1 bottle
5	Reagent 3	10 bottles
6	Reagent 4	1 bottle
7	Reagent 5	1 bottle

Materials required but not provided

- 1)Equipments: Homogenizer, nitrogen-drying device, vortex(optional), centrifuge, Micropipette, balance (a reciprocal sensibility of 0.01 g);
- 2) Consumables: 15ml centrifuge tube, disposable tips.
- 3)Read the instruction carefully before use. Return test dipsticks and sample into room temperature.

Sample preparation

- 1) Take 3 ± 0.05 g homogenized tissue sample into 15ml centrifuge tube, add 4ml Reagent 1, then add 4ml reagent 2, shake by hand or by vortex strongly for 2min (shake by hand up-and-down strongly), add 1 bottle of reagent 3, shake strongly for 2min (shake by hand up-and-down strongly), then centrifuge at 4000r/min for 5min;
- 2) Transfer 1.5ml up-layer clear liquid into another centrifuge tube, add 100ul reagent 4, shake for 30S. Blow to dry at 56°C by Nitrogen or air(or use hair dryer);
- 3) Add 0.3ml reagent 5, shake for 30S (or repeatedly blow and beat to redissolve) to fully dissolve the residue on wall of centrifuge tube, absorb 120ul down-layer liquid as sample, ready to test.

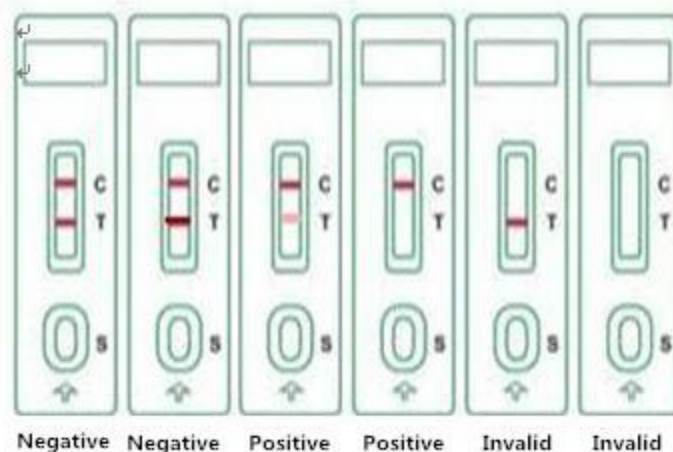
Operation procedures

1. Read the instruction carefully before use. Return test cards and sample into room temperature.
2. Take out test bag, open and take out required microwells, making proper marks. Please use them within 1h. Seal the test bag, avoid moisture.
3. Take 120ul of the test samples into the microwells, then repeatedly pump and suck for many times, mix the sample with the reagent in the microwells completely until no solid judged by eyes (this is a very important step). Incubate for 3min at room temperature ($20\text{-}25^{\circ}\text{C}$).
4. Put the test card flatly, absorb the 120ul liquid from the micro-well, add into the "S" hole on test card.
5. Be static, read the result in 5~8min, it is invalid in other time.

Test Result Interpretation

1. Negative: Red T line appears. It means there is no Malachite green residue in sample or the residue is lower than detection limit.
2. Positive: Red T line is invisible. It means the residue is higher than detection limit.
3. Invalidation: C line isn't seen wine red. It means the test cassette is out of efficacy, out of date or improper operation. Please run the test again using another package.

Test Result Interpretation(honey,tissue)



Precautions

- 1) The test card can be used only once at room temperature, do not use test card out of expiry date.
- 2) Every test cassette and dropper is single use only, to avoid cross pollution.
- 3) Do not touch the white membrane surface in the middle of test card, avoid sunlight and fan blowing directly.
- 4) Tap water, distilled water or deionized water can not be taken as negative control sample.
- 5) Use this card to test again when get positive result
- 6) Urine sample must be fresh and unpolluted, cold storage urine must return to room temperature when testing
- 7) Because of sample difference, some test line may appear light or grey color, but only red color appear, it can be judged as Negative.
the results are negative.

Specificity

Test 500ppb Sulfonamides, quinolones and tetracyclines and other drugs. If all the results are negative

Storage: Store at 2-8 °C in dark, sealed, dry place, no frozen.

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