

Malachite green rapid test strip

Catalog No. LSY-20005-2

Product Description

Brief

It's a rapid test strip which is used for testing tissue samples. The detection limit is 5 ppb.

Introduction

Malachite green is a toxic chemical primarily used as a dye. When diluted, it can be used as a topical antiseptic or to treat parasites, fungal infections, and bacterial infections in fish and fish eggs. It is also used as a bacteriological stain. Malachite green and its major metabolite, leuco-malachite green have been reported to have mutagenic and carcinogenic effects. The use of this substance has been banned in many countries as a suspected carcinogen. Lab tests revealed that rats fed malachite green at the concentration of 100 ppb for longer than 2 years showed signs of tumors.

1. Principle

When a sample is added to the Malachite green Test Strip, the sample begins to mix with the colloidal gold-labeled antibody and simultaneously moves along the strip membrane by capillary action. In the sample region of the test strip, if Malachite green is present, the second specific antibody captures the colloidal gold-labeled antibody and bound Malachite green, forming a colored line or band in the "T" window of the test strip. As an internal control, a second band visualized in the control ("C") window of the test strip is an indication that the test strip functioned properly. Two bands or colored lines (in the "T" and "C" windows) are required for a positive result determination.

2. Contents

- 1 Test cassette
- 2 Manual

3. Sample preparation

- 1 Sample handling: take the edible part of the aquatic product after using minced meat grinder accurately weighed 10.0g in 50mL centrifuge tube, adding extractant A 5mL, extraction agent B 7mL, shake for 5 minutes then mixing centrifuge 4000 turn centrifugation for 5 minutes (on-site available filter paper), take the supernatant 4mL in 50mL centrifuge tube, add 3 drops of buffer, then diluted to 25mL.
- 2 Through column chromatography (chromatography on the sample in 1.5mL activator to be added before the activation of chromatography, column chromatography plus 4mL distilled water): the supernatant fractionated column chromatography, using extraction unit Under pressure from the mouth, to speed up the flow rate, 25mL sample through the column suggested time for 5-8min. Flow of sample liquid to be completely dry, add 4mL distilled water columns.
- 3 Derivative: the 1mL diluted derivatization reagent added to the chromatography column in the flow of dry completely, then add 2mL distilled water and squeezed, then 1mL elution eluate collected [**Note: To control the flow as slowly as possible**] (first 11 with the drip drip drip bottle elution, wash the ears with ball pressure, flow to be completely dry, and then drops 11 drops of elution, collected with a centrifuge tube), add 1 drop of buffer after the Shakers for inspection.

4 Operation procedures

4.1 A full reading of manual before testing. Balance the sample and cassette to room temperature.

4.2 Open a package and take out the test cassette.

4.3 Drop 3-4 drops of sample in the Sample collect region.

Note: Do not drop the sample directly to the test result region. It will affect the result.

4.4 Wait for 3-5 min to read the result.(It's not valid in other times)

5 Test Result Interpretation

5.1 Negative: Red T line appears in 5 minutes.

5.2 Positive: Red T line is invisible in 5 minutes.

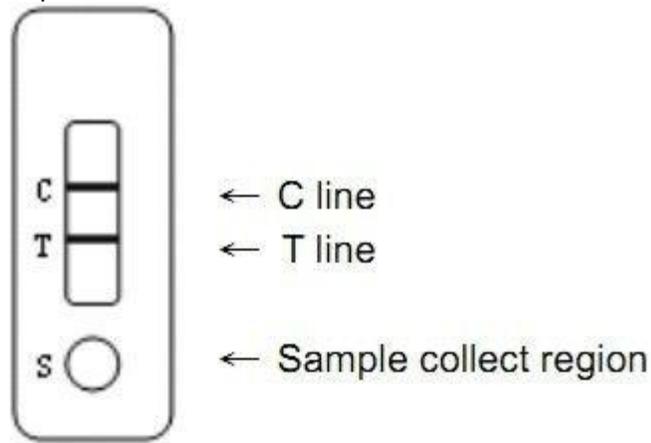
6 Precaution

1. Every test cassette and dropper is single use only. Please do not reuse.
2. Avoid sunshine and wind when using.
3. Water, distilled water or organic solvent can't be used for Negative control.
4. The test kit is only for lab reference that we can't be responsible for results.

7. Storage and expiry date

Storage: Store at 4-30°C in dark

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



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