

**MELATONIN RAPID TEST STRIP**  
**MANUAL**

## Melatonin Rapid Test Strip

**Catalogue Number. IP100110**

### **Brief**

This product is used for testing Melatonin residue in Tablets, capsules, granules drugs sample.

### **Principle**

The Melatonin rapid test strip is an immuno-chromatographic test, using colloidal gold immunoassay method. It relies on the competition between Melatonin residues in the sample and the Melatonin on T line, to the limited amount of dye-antibody. As a sufficient amount of drug in the sample is presenting, the drug will saturate the antibody. Consequently, it will show an extremely light or even invisible T line, indicating a positive result. On the other hand, if there is a negative sample (or the amount of the drug is lower than the minimum detectable concentration), it will generate two obvious lines in both the T and C line section.

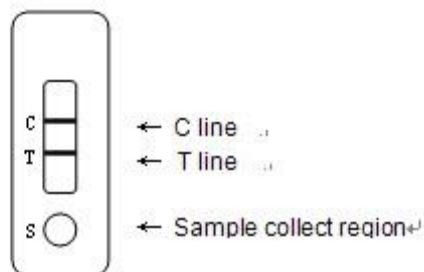
### **Technical specifications**

Specifications: 50 tests/kit

Detection limit: Tablets, capsules, granules drugs: 2ppm

### **Components**

1	Melatonin test card	50 pieces
2	Instruction	1 piece
3	Dropper	50 pieces
4	Desiccant	1 piece/bag
5	Disposable gloves	3 pieces
6	Sample buffer	1 bottle
7	Melatonin test card	50 pieces



### **Sample preparation**

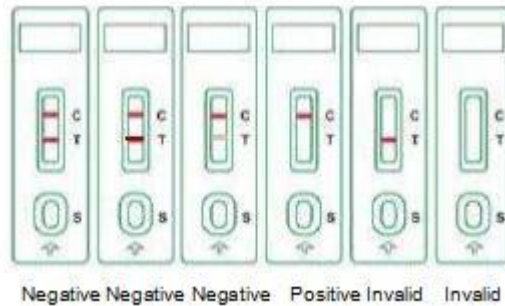
#### **Tablets, capsules, granules drug**

Weigh 0.5g grinded sample into 5ml centrifuge tube, add 1ml ethyl acetate, shake 1-2min, centrifuge at above 4000r/min for 5min. Take 500ul supernatant into another dry container, blow to

dry at 56°C by Nitrogen or air. Add 200ul sample buffer, shake doe 1min to even, take the solution to test.

### **Operation procedures**

1. Return test card and sample into room temperature.
2. Take necessary strips on desk, use it in 1 hour.
3. Put the test card flatly, use dropper to drop 2 drops of solution vertically in the Sample collect region.
4. Wait for 5-8 min to read the result. (It's invalid in other times)



### **Test Result Interpretation**

1. **Negative:** Red T line appears. It means there is no Melatonin 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. If the invalid tests keep happening, please contact the supplier.

### **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. Do not eat any reagents.
5. Please contact the supplier for any questions during testing.

**Storage:** Store at 4-30 °C in dark, no frozen.

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