

**CLENBUTEROL-RACTOPAMINE TWO  
LINKED RAPID TEST STRIP  
MANUAL**

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## Clenbuterol-Ractopamine Two Linked Rapid Test Strip

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**Catalogue Number. IP100064**

### **Brief**

This product is used for testing Clenbuterol, Ractopamine residue in urine sample without any machine. The total test time only need 5min. Easy to operate, high sensitivity.

### **Principle**

This rapid test strip is an immuno-chromatographic test, using colloidal gold immunoassay method. It relies on the competition between the residues in the sample and the analyte 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**

30 tests/kit

Detection limit Clenbuterol:3 ppb, Ractopamine:3ppb

### **Components**

1	Test cassette	30 piece
2	manual	1 pieces
3	Dropper	30pieces
4	Desiccant	1 pieces
5	Disposable gloves 3 pieces	3pieces

### **Samples preparation**

#### **a) urine**

Directly take the clear, fresh and unpolluted urine to test.

(Notice: Do not test urine immediately after cold storage. Urine sample must be collected in a clean, dry plastic urine cup without any preservatives or in glass container. If urine is muddy, centrifuge at 4000 r/min at room temperature for 5 min, then test. If the urine can not be tested on time, store urine at 2~8 °C for 24 hours, for long-term storage, store at -20°C, avoid repeated freezing and thawing samples.)

## **b) Tissue**

Weigh  $5 \pm 0.05$ g tissue, add 5g Na<sub>2</sub>SO<sub>4</sub>, then add 5ml Acetonitrile, shake for 3min; centrifuge at 4000 r/min for 10 min, take 4ml supernatant to another clean container, blow to dry with air or nitrogen at 56 °C, add 0.3 mL Triple-distilled water to redissolve, shake and mix it for 1min. Take the solution to test directly.

### ***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 1~2 drops of sample (or use micropipette to take 60 uL) in the Sample collect well.
- 4) Wait for 3-5 min to read the result. (It's valid in 10 minutes)

### ***Test Result Interpretation***

- 1) Negative: Red T line appears. It means there is no Salbutamal 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.

### ***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.

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

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