

(FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSIS !)

RAC (Ractopamine) Rapid Test Kit

Catalog No: E-FS-C014

50T

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA) 240-252-7376(USA)

Email: techsupport@elabscience.com

Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This kit uses the principle of Competitive-Inhibition-GICA. It can detect RAC (Ractopamine) in samples, such as urine, feed, etc. After adding the sample solution into the sample well of detect card, RAC of the sample solution combine with the gold-labelled antibody, so as to prevent the combining of gold-labelled antibody with RAC conjugate on the cellulose membrane. When the concentration of RAC in the sample solution is more than the detection limit, the detect line do not show color reaction and the result is positive. When the concentration of RAC in the sample solution is less than the detection limit, the detect line shows purple and the result is negative.

Technical indicator

Detection limit: Tissue---8 ppb

Kits components

Item	Specifications
Detect card	50 T/kit
Manual	1 copy

Other supplies required

Instruments: Homogenizer, Nitrogen blow-dry device Oscillators, Centrifuge, Graduated pipette, Balance (sensibility 0.01 g).

High-precision transferpettor: Single channel (20-200 μ L, 100-1000 μ L).

Sample pretreatment

1. Sample pretreatment Notice:

Experimental apparatus should be clean, and the pipette should be disposable to avoid the experiment result be interfered by the contamination.

2. Sample pretreatment procedure:

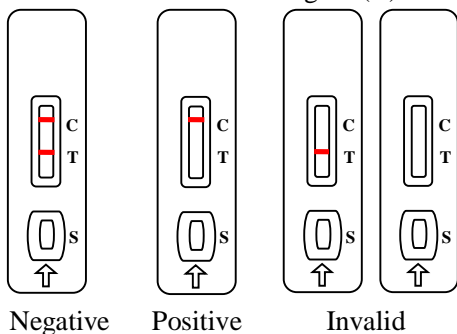
Pretreatment of tissue: Weigh 3.0 ± 0.05 g of homogenized fresh muscle/ liver tissue sample into a 50 mL EP tube, add 2 mL of deionized water and oscillate for 5 min. Incubate the tube in boiling water bath for 5~10 min. Stand the tube for 5 min to make it cool, then take the supernatant for detection.

Experiment procedure

1. Tear the aluminum foil bag of the detect card and take out the detect card, and put it on a smooth, clean table.
2. Take the prepared clear sample supernatant with the matching straw, add 2-3 drops (about 60 μ L) of sample to the sample well (S) vertically and slowly.
3. Keep the detect card at room temperature for 8-10 min, then judge the result. The result can only be considered as a reference if lasts for more than 10 min.

Judgment of result

1. **Negative:** The control line region (C) and the test line region (T) both show purple. .
2. **Positive:** The control line region (C) shows purple, the test line region (T) shows no color.
3. **Invalid:** The control line region (C) shows no color.



Notes

1. Do not use product out of date or in a broken aluminum foil.
2. The detect card should be adjusted to room temperature after removed from the refrigerator before opening. The opening detect card should be used as soon as possible so as not to be invalid because of moisture.
3. Avoid of contacting the white membrane at the middle of the sample well.
4. The droplets cannot be mixing to avoid the cross-contaminant.
5. The tested sample should be clear, no turbidity particle and no bacterial pollution, otherwise it is easy to result in abnormal phenomena such as obstruction, unobvious color, etc., which affect the judgment of the experiment result.
6. This product can be used for detection of tissue samples only, cannot be used to detecting urine and feed samples, otherwise the result will be inaccurate.

Storage and valid period

Storage: Store at 2-30°C with dry condition.

Valid Period: 1 year, production date is on the packing box.