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Clenbuterol Rapid Test (Tissue)

Cat No.: SS08-LF

1. INTENDED USE

Clenbuterol Rapid Test is a competitive immunoassay for the semi-quantitative detection of the presence of Clenbuterol residue in animal's tissue.

Cut-off: 5 ppb

Assay Time: 5 -10 min

Sample: Tissue

2. PRINCIPLE OF THE ASSAY

Clenbuterol Rapid Test is based on competitive lateral flow immunochromatographic assay. The CLEN-conjugate in the test zone will capture the immuno-gold (colloid gold-CLEN antibody conjugate), when there is very little dissociative CLEN in the samples. A visible red test band indicates a negative result when the control line (C zone) shows that the card is valid. The test band (T zone) will be not visible if CLEN is present in concentration of 5 ppb and above which explains a positive result.

3. KIT COMPONENT

- 10×foil pouches each containing one cassette with one pipette and a desiccant
- 1×assay buffer (8 mL)
- 12×centrifugal tubes (2×,15 mL; 10×,1.5 mL)
- 2×graduated pipettes (3 mL)
- Products Manual

4. TEST PROCEDURE

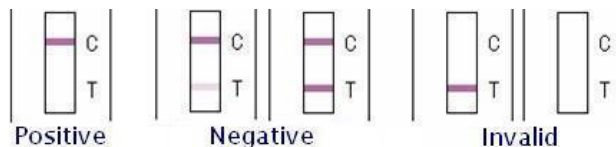
- Collect tissue as sample. Get rid of the fat tissue. Homogenize the sample at 10000 rpm for 1 min. Weigh out 4.0 g of sample into a 15 mL centrifugal tube. Add 0.5 mL of assay diluent and tightly cover the lid.
- Put the tube into a water bath (80°C) for 10 min. Take out as much the extracted liquid into a 1.5 mL centrifugal tube.
- Do centrifugation at 4000 rpm for 1 min to make the extract clear.
NOTE: If there is fat layer, just insert the pipette through the fat layer and take the water phase liquid for running the assay.
- Take out the cassette from the foil pouch and place it horizontally.
- Gradually drip 4 drops of sample extraction into the sample hole "S".
- Interpret the result in 5 - 10 min. Result after 10 min is considered as invalid.

5. INTERPRETATION OF RESULTS

Positive: Only one clear band in C zone indicates a positive result. Positive shows that the concentration of Clenbuterol is at or above 5 ppb in the sample.

Negative: The presence of both clear band in C zone and T zone.

Invalid: No colored band appears in C zone.



6. SPECIFICITY

- The results are negative when the test is applied to detect 100 ppm of Ractopamine, Trenbolone-acetate, Chloramphenicol, Aminoglycosides, Beta-Lactams, Macrolides, Quinolones, and Sulfonamides.
- The results is negative when the test is applied to detect 1 ppm of Salbutamol.

7. STORAGE

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the foil pouch. **DO NOT FREEZE.** Do not store the test kit in direct sunlight.

8. PRECAUTIONS

- For best results, please strictly adhere to these instructions.
- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not reuse the test kit.
- Do not use the test beyond its expiration date marked on the foil pouch.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.

9. LIMITATION

Clenbuterol Rapid Test is a useful tool offering a rapid and accurate testing in field screening, exceeding with its convenience. It provides a semi-quantitative method to detect the Clenbuterol above 5 ppb in meat. If you want a quantitative result, please adopt other method such as ELISA in practice.