

Product information

Product name: Clenbuterol rapid test strip

Product number: EC-6

General Description: Clenbuterol is used worldwide for the treatment of allergic respiratory disease, as it is a bronchodilator. A common trade name is Ventipulmin. It can be used both orally and intravenously. It is also a non-steroidal anabolic and metabolism accelerator, through a mechanism not well understood. Its ability to induce weight loss and a greater proportion of muscle to fat makes its illegal use in livestock popular. Clenbuterol is awesome. The addition of clenbuterol to animal food in EU is forbidden (2998/97/EG). The illegal addition of clenbuterol is controlled in the frame of National Residue Control Plan.

Principle: The basis of the test is the antigen-antibody reaction. The one step test device is a competitive immunoassay in which the detector reagent consists of colloidal gold particles coated with affinity purified anti-Clenbuterol antibodies. The capture reagent in the assay is a Clenbuterol-protein conjugate, which is immobilised on the membrane of the test device. In the test procedure, specimens migrate over the membrane. The more analyte present in the sample, the more effectively it will compete with the Clenbuterol immobilized on the membrane for binding to the limited amount of antibodies of the detector reagent. Clenbuterol, if present in the specimen above 3 ppb, will thus prevent the binding of the detector reagent to the Clenbuterol immobilized on the membrane, resulting in a positive result.

Specifications

Format: 10 tests/kit

Sensitivity: 3 ppb for pig urine

Detection time: 5 min.

Negative: Two lines are visible and the Test Line (T) is the same as or darker than the Control Line (C), which also is the Reference Line (R). This indicates that the Clenbuterol concentration in sample is below 3 ppb.

Positive: Two lines are visible, but the Test Line (T) is lighter than the Control Line (C), or there is no Test Line. This indicates that the Clenbuterol concentration in sample is above 3 ppb.

Invalid: Reference Line fails to appear. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for an invalid result. Review the procedure and repeat the test with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

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