

Product information

Product name: Clenbuterol ELISA-Test Kit

Product number: EC-7

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: This test kit is based on the competitive enzyme immunoassay for the detection of clenbuterol in the sample. The coupling antigen is pre-coated in the micro-well stripes. The clenbuterol in the sample and the coupling antigen pre-coated on the micro-well stripes compete for the anti-clenbuterol antibodies. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the sample has a negative correlation with the clenbuterol in the sample. This value is compared to the standard curve and the clenbuterol concentration is subsequently obtained.

Specifications

Format: 96 wells/kit

Sensitivity: 0.1 ppb

Detection limit: pork (liver), serum, urine – 0.1 ppb; feed – 50 ppb

Crossreaction rate: Clenbuterol – 100%, mabutero – 95%, brombuterol – 115%, salbutamal - <11%, terbutalin - < 7%, ractopamine - <1%

Sample processing time: pork (liver) – 50 min; serum and urine – 10 min

Detection time: 80 min.

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