

## Product information

**Product name:** Salbutamol ELISA-Test Kit

**Product number:** ES-1

**General Description:** Salbutamol can improve the meat/fat ratio in fattened animals and accelerate livestock growth. They also have a relaxing effect on non-striated musculature and can be used as antiasthmatic and tocolytic agents in human beings. Therefore, excess salbutamol residues in livestock products may lead to health risks for consumers. This has led to a prohibition of salbutamol use in food production.

**Principle:** The GreenSpring™ Salbutamol test kit is based on the competitive enzyme immunoassay for the detection of Salbutamol in the pork, liver, urine. The coupling antigen is pre-coated on the micro-well stripes. The Salbutamol in the sample and the coupling antigens pre-coated on the micro-well stripes compete for the anti-Salbutamol 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 Salbutamol in it. This value is compared to the standard curve and the Salbutamol residues is subsequently obtained.

### Specifications

**Format:** 96 wells/kit (12 strips with 8 removable wells each)

**Sensitivity:** 0.5 ppb

**Detection limit:** Tissue - 0.5 ppb; urine, serum - 0.5 ppb; feed - 50 ppb

**Crossreaction rate:** Salbutamol - 100%, Terbutalin - < 1%, Clenbuterol - < 13%, Ractopamine - < 1%

**Sample processing time:** urine – 10 min, tissue – 20 min, feed – 30 min

**Detection time:** 80 min.

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