

## Product information

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

**Product number:** ER-1

**General Description:** Ractopamine is a drug that is used as a feed additive to promote leanness in pigs raised for their meat. Ractopamine in feed for animals is responsible for dramatic muscle growth, yet it is not a steroid or hormone, but rather a compound known as a beta agonist. It is banned in many countries.

**Principle:** The GreenSpring™ Ractopamine (Ract) test kit is based on the competitive enzyme immunoassay for the detection of Ractopamine in the pork. The coupling antigen is pre-coated on the micro-well stripes. The Ractopamine in the testing sample competes with the coupling antigens pre-coated on the micro-well stripes for the antibodies against Ractopamine. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the testing sample has a negative correlation with the content of Ractopamine in it. This value is compared to the standard curve and the content of the corresponding Ractopamine is subsequently obtained.

## Specifications

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

**Sensitivity:** 0.1 ppb

**Detection limit:** Muscle - 1 ppb; liver - 2 ppb; urine - 1 ppb; admixture - 25 ppb; feed - 75 ppb

**Crossreaction rate:** Ractopamine - 100%, Dobutamine - 10%, Clenbuterol - <0.1%, Salbutamol - <0.1%

**Sample processing time:** meat, liver – 20 min; feed – 30 min, urine – 10 min

**Detection time:** 50 min.

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