

Product information

Product name: Streptomycin ELISA-Test Kit

Product number: ES-3

General Description: Streptomycin is an antibiotic drug, the first of a class of drugs called aminoglycosides to be discovered, and was the first antibiotic remedy for tuberculosis. It is derived from the actinobacterium *Streptomyces griseus*.

Principle: The GreenSpring™ Streptomycin ELISA Test Kit is based on the competitive enzyme immunoassay for the detection of Streptomycin in meat, liver (chicken), milk, honey, etc. The protein conjugated antigen is pre-coated on the micro-well stripes. The Streptomycin in the testing sample competes with the protein conjugated antigens pre-coated on the micro-well stripes for the antibodies against Streptomycin. 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 Streptomycin in it. This value is compared to the standard curve and the content of the corresponding Streptomycin is subsequently obtained.

Specifications

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

Sensitivity: 0.5 ppb

Detection limit: Chicken, chicken liver, milk - 4ppb; honey - 2 ppb

Crossreaction rate: Streptomycin 100%; Dihydrostreptomycin 108%; Kanamycin < 1%; Gentamycin < 1%

Sample processing time: chicken, liver, honey – 40 min, milk – 5 min

Detection time: 60 min.

All products sold by AntiProt are intended for research use only unless otherwise indicated. This product is not intended for diagnostic or drug purposes, or for use in humans.