

Product information

Product name: Gentamicin ELISA-Test Kit

Product number: EG-1

General Description: Gentamicin is an aminoglycoside antibiotic, used to treat many types of bacterial infections, particularly those caused by Gram-negative bacteria.

Principle: The GreenSpring™ Gentamicin ELISA-Test Kit is based on the competitive enzyme immunoassay for the detection of Gentamicin in the meat and liver (chicken). The enzyme conjugate is pre-coated on the micro-well stripes. The Gentamicin in the testing sample competes with the coupling antigen pre-coated on the micro-well stripes for the antibody against Gentamicin. 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 Gentamicin in it. This value is compared to the standard curve and the content of the corresponding Gentamicin subsequently obtained.

Specifications

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

Sensitivity: 0.1 ppb

Detection limit: chicken liver – 4 ppb

Crossreaction rate: Gentamicin - 100%, streptomycin - <1%, dihydrostreptomycin <1%, neomycin <1%

Sample processing time: chicken liver – 40 min

Detection time: 80 min.

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