

Product information

Product name: Enrofloxacin

Product number: EE-1

General Description: Enrofloxacin is a broad spectrum bactericidal antibiotic. Although the mechanism of action is not well understood, enrofloxacin is effective against a broad spectrum of gram positive and gram negative bacteria. With the exception of cerebral spinal fluid, enrofloxacin attains therapeutic levels in most tissues of the body. This makes it a very attractive antibiotic choice for difficult to treat infections, particularly those that need long term antibiotics. Some examples might be osteomyelitis, sinus infections, otitis, difficult soft tissue infections, peritonitis, and pleuritis or pneumonia.

Principle: This test kit is based on the competitive enzyme immunoassay. The enzyme conjugate is pre-coated on the micro-well stripes. The residue enrofloxacin in the testing sample competes with the coupling antigen pre-coated on the micro-well stripes for the antibody against enrofloxacin. 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 residue enrofloxacin in it. This value is compared to the standard curve and the content of the corresponding enrofloxacin residue is subsequently obtained.

Specifications

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

Sensitivity: 0.1 ppb

Detection limit: tissue and serum – 1 ppb; honey – 2 ppb

Crossreaction rate: enrofloxacin – 100%; ciprofloxacin – 1.25%; norfloxacin – 1.65%; other xacin medicines - <0.1%

Sample processing time: pork (liver), chicken (liver) – 50 min; shrimp, fish – 20 min; serum – and honey – 10 min

Detection time: 80 min.

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