

Product information

Product name: Furazolidone ELISA-Test Kit

Product number: EF-3

General Description: Furazolidone is an antibacterial, may cause some serious side effects when taken with certain foods, beverages, or other medicines. Check with your health care professional for a list of products that should be avoided.

Principle: The GreenSpring™ Furazolidone (AOZ) ELISA test kit is based on the competitive enzyme immunoassay for the detection of AOZ (3-amino-2-oxazolidinone) in the tissue(chicken, fish, shrimp). The coupling antigen is pre-coated on the micro-well stripes. The AOZ in the testing sample competes with the coupling antigen pre-coated on the micro-well stripes for the antibody against AOZ. 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 AOZ in it. This value is compared to the standard curve and the content of the corresponding AOZ is subsequently obtained.

Specifications:

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

Sensitivity: 1 ppb

Detection limit: pork, and chicken liver, shrimp, fish, serum – 3 ppb; honey – 6 ppb

Crossreaction rate: Enrofloxacin 100%, ciprofloxacin 92.88%, ofloxacin 98.86%, oxolinic Acid 116.86%, danofloxacin 102.63%, norfloxacin 148.65%, lomefloxacin 86.24%, pefloxacin 156.60%, enoxacin 98.97%, flumequine 96.73%, marbofloxacin 110.63%, amifloxacin 98.86%, nadifloxacin 56.81%, fleroxacin 38.79%, piromidic acid 36.77%, levofloxacin 21.36%, difloxacin 20.16%, sarafloxacin 13.78%, nalidixic acid 10.11%, cinoxacin 6.40%, gatifloxacin 6.12%, pipemidic acid 5.23%, tosufloxacin 3.16%, orbifloxacin 2.23%, pazufloxacin 2.17%, benofloxacin 1.12%

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

Detection time: 80 min.

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