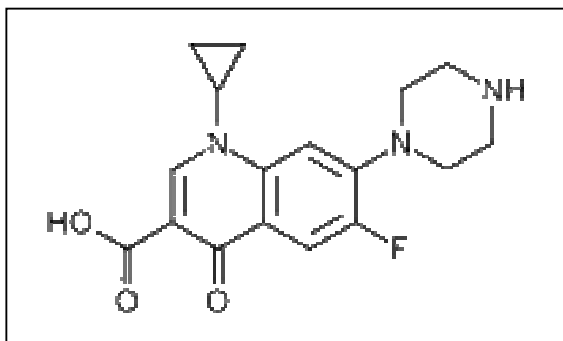


ELISA Kit for *Fluoroquinolones*

Intended Use

Competitive enzyme immunoassay for the quantitative analysis of fluoroquinolone residues in water and food products.

General Information



Enrofloxacin

Fluoroquinolones are a family of broad-spectrum antibiotics. They act by inhibiting the bacterial DNA gyrase or the topoisomerase IV enzyme, thereby inhibiting DNA replication and transcription. They are employed against all bacterial infections, particularly against urinary tract infections and acute respiratory diseases.

Some of the fluoroquinolones being used are: ciprofloxacin, enrofloxacin, danofloxacin. Ciprofloxacin has been used since 1980, its employment is quite restricted to maintain its maximum potency, and to prevent antibiotic resistance. Enrofloxacin is employed as an anti-inflammatory drug in veterinary

medicine. Residues of fluoroquinolones have been found in seafood, meats and honey. In the US there is no tolerance for fluoroquinolones in food, therefore there should be no residues present because their use and the subsequent absorption by humans can lead to antibiotic resistance. Fluoroquinolones have also been detected in ground water samples.

This ELISA test kit detects fluoroquinolones (enrofloxacin, ciprofloxacin, danofloxacin) in water and food samples ppt levels.

Specifications

Microtiter Plate Format:	96 Tests
Assay Range:	0.1 – 10 (ppb)
Incubation time:	60 minutes
Standards:	0 / 0.1 / 0.5 / 1.0 / 5.0 / 10 ppb
Sensitivity:	Milk 1 ppb; Meat, fish and shrimp 10 ppb; Honey 10 ppb Water 0.1 ppb.
Measurement:	450 nm

Kit Formats Available

Fluoroquinolones (Microtiter Plate format, 96T) PN 52250B

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