



## User's Manual

# Quinolones ELISA Kit



DEIA-XY2270



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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## PRODUCT INFORMATION

### Intended Use

Quinolones ELISA Kit is intended for the quantitative determination of Quinolones in raw milk, egg, seafood, tissue.

### Reagents And Materials Provided

1. Microtiter well plate: 8 microtiter wells/strip, 12 strips/plate.
2. QNS Standards: 0, 0.3, 1.1, 3.3, 10, 30 ppb, 1.5 mL each.
3. 10X Conc. Extraction Diluent, 50 mL.
4. 10X Conc. Washing Solution, 50 mL.
5. 200X Conc. QNS Enzyme Conjugate, 100  $\mu$ L.
6. Substrate Solution (TMB), 12 mL.
7. Stop Solution, 13 mL.

### Detection Limit

The lowest detection limit of the TABP QNS kit is 0.3 ppb. The OD value of this concentration is significantly different from the negative standard.

### Sensitivity

Milk: 2 ppb

Fish: 0.45 ppb

Shrimps: 0.45 ppb

Chicken: 0.45 ppb

Pork: 0.45 ppb

Egg: 2 ppb

### Specificity

The specificity of QNS ELISA was determined by analyzing the cross-reactivity of the corresponding substances.

Enrofloxacin: 100%

Ciprofloxacin: 102%

Pefloxacin: 85%

Norfloxacin: 70%

Danofloxacin: 65%

Ofloxacin: 60%

Oxolinic acid: 55%

Flumequine: 50%

Gatifloxacin: 47%

Lomefloxacin: 31%

Enoxacin: 25%

Fleroxacin: 15%

Levofloxacin: 9%

Sarafloxacin: 4%

Nalidixic acid: 6%