



User's Manual

Nitrofurazone ELISA Kit

REF DEIA-XY2271

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RUO

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.

Creative Diagnostics

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PRODUCT INFORMATION

Intended Use

Nitrofurazone ELISA Kit is intended for the quantitative determination of Nitrofurazone in raw milk, honey, royal jelly, seafood, tissue, water.

Reagents And Materials Provided

1. Microtiter well plate: 8 microwells/strip, 12 strips/plate
2. SEM standard: each bottle for 0 ppb, 0.05 ppb, 0.1 ppb, 0.3 ppb, 0.9 ppb, 8.1 ppb, 1.5 mL/bt
3. 10X Conc. Extraction/Washing solution: 1 bt/kit, 50 mL/bt
4. 10X Conc. Buffer: 1 bt/kit, 50 mL/bt.
5. 5X Enzyme Conjugate Diluent: 1 bt/kit, 2 mL/bt
6. Derivative reagent: 1 bt/kit, 12 mL/bt
7. Enzyme Conjugate (100X Conc.): 1 bt/kit, 150 μ L/bt
8. Substrate solution (TMB): 1 bt, 12 mL/bt
9. Stop solution: 1 bt, 13 mL/bt

Detection Limit

The lowest detection limit of the CD SEM kit is around 0.05 ppb. The OD value of this concentration is significantly different from the negative standard.

Sensitivity

Fish, shrimps, milk, honey: 0.2 ppb

chicken: 0.4 ppb

Specificity

The specificity of SEM ELISA kits has been determined by analyzing the cross-reactivity of the corresponding substances.

- 3- amino-2-oxazolidinone: (AOZ): < 0.01%
- 3- amino-5-morpholino-methyl-2-oxazolidinone (AMOZ): < 0.01%
- 1- aminohydantoin (AHD): < 0.01%