



User's Manual

Streptomycin ELISA Kit

REF DEIA-XY2272

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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

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

Reagents And Materials Provided

1. Microtiter well plate: 8 microtiter wells/strip, 12 strips/plate.
2. Streptomycin Standards: 0 ppb, 0.25 ppb, 0.75 ppb, 1.5 ppb, 5 ppb, 20 ppb, 1 mL/bottle
3. Extraction Diluent (10X conc.): 50 mL/bottle
4. Washing Solution (10X conc.): 50 mL/bottle
5. 200X Conc. Enzyme Conjugate: ST-enzyme conjugate: 100 µL/bottle
6. Substrate Solution (TMB): 12 mL/bottle
7. Stop Solution: 12 mL/bottle

Detection Limit

The detection limit of the CD Streptomycin ELISA kit is about 0.25 ppb. It means the OD value of this concentration is significantly different from the negative standard. (B/B0 < 90%)

Sensitivity

Honey: 5 ppb

Raw milk: 12.5 ppb

Pork: 0.5 ppb ppb

Shrimp: 1 ppb

Fish: 2 ppb

Serum: 2.5 ppb

Egg: 1.25 ppb

Specificity

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

Streptomycin: 100%

DihydroStreptomycin: 120%