



Quantitative Bovine IgG ELISA

ZMC Catalog #: 0801198

FOR RESEARCH USE ONLY. Not for *in vitro* Diagnostic Use

INTENDED USE

The IMMUNO-TEK Bovine IgG ELISA Kit is a rapid, easy to use enzyme linked immunosorbent assay (ELISA) designed for the measurement of bovine IgG in bovine colostrum, milk, serum, plasma or other biological fluids. The assay contains mostly ready-to-use reagents and takes less than two hours to perform. The microplate and detector antibody in the kit have been specifically balanced to react uniformly with all subclasses of bovine IgG.

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PRINCIPLE OF THE TEST

Microplate wells coated with polyclonal antibodies to bovine IgG form the capture phase of the assay. These antibodies bind uniformly to all subclasses of bovine IgG. Captured bovine IgG then reacts with detector antibody, which is a polyclonal anti-bovine IgG, conjugated with horseradish peroxidase. This reagent also reacts uniformly with all subclasses of bovine IgG. Enzyme activity in the wells is then quantified using tetramethyl benzidine as a substrate.

REAGENTS

Materials Supplied:

- Microplate, (1x96 well):** Strips coated with purified goat anti-bovine IgG
- Detector Antibody (0.3 ml):** Contains conjugated goat anti-bovine IgG peroxidase
- Bovine IgG Standard (5 ml):** Contains bovine IgG and Assay Diluent
- Assay Diluent (100 ml):** Contains PBS, Triton X-100® and 2-chloroacetamide
- Plate Wash Buffer (125 ml):** Contains PBS, Tween 20® and 2-chloroacetamide
- Substrate (12 ml):** Contains Tetramethyl Benzidine (TMB)
- Stop Solution (12 ml):** Proprietary formulation
- Microplate Sealers (1 pk):** 10 sealers per pack
- Plastic Bag (1 bag):** For storage of unused microplate strips

® Triton X-100 is a registered trademark of Rohm and Haas. Tween 20 is a registered trademark of Imperial Chemical Industries.

Storage:

Store all kit reagents at 2-8°C. Do not freeze.

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Trial Version