



## Quantitative Horse IgG ELISA

**ZMC Catalog #: 0801221**

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

### **INTENDED USE**

The IMMUNO-TEK Horse IgG ELISA Kit is a rapid, easy to use enzyme linked immunosorbent assay (ELISA) designed for the measurement of horse IgG in horse serum, plasma or other biological fluids. The assay contains 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 horse IgG.

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### **PRINCIPLE OF THE TEST**

Microplate wells coated with polyclonal antibodies to horse IgG form the capture phase of the assay. These antibodies bind uniformly to all subclasses of horse IgG. Captured horse IgG then reacts with detector antibody, which is a polyclonal anti-horse IgG, conjugated with horseradish peroxidase. This reagent also reacts uniformly with all subclasses of horse 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-horse IgG
  - Detector Antibody (12 ml):** Contains conjugated goat anti-horse IgG peroxidase
  - Horse IgG Standard (5 ml):** Contains horse 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.

Page 2

Trial Version