PRODUCT SPECIFICATIONS

Product Description: Horseradish Peroxidase-Labeled Goat anti-Chicken IgY (heavy and light chains) (affinity-purified)

Catalog Number: H-1004

Antibody Concentration: 1.0 mg / ml (based on absorbance at 280 nm)

Volume: 400 µl

Physical State: Liquid

Buffer: HEPES (50 mM, pH 7.0), NaCl (0.1M), bovine serum albumin (0.2%, w/v) thimerosal (0.01%, w/v) (as an anti-microbial agent).

Production: Goats were immunized with purified chicken IgY (whole protein) emulsified in Freund's adjuvant. After multiple injections, goats were bled and serum collected. Antibodies were isolated using affinity chromatography and conjugated to horseradish peroxidase.

Quality Control: Antibodies were analyzed using immunoelectrophoresis (see below) and a sandwich ELISA. In this latter test, a 1:120,000 dilution of GGHL-30P-2A was found to generate an O.D of 1.0 in a 15 minute reaction with tetramethyl benzidine as the substrate.

Recommended Storage Conditions: **Store at 4°C in the dark.** Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). For longer storage periods, dilute the antibodies with sterile glycerol and store at -20°C. Do not freeze these antibodies unless you want to store them for longer periods of time.

Note: These antibodies are meant to be used as research laboratory reagents and are not for diagnostic purposes or for therapeutic usage in humans.

Immunoelectrophoresis: Chicken serum (3 ul) was placed in the center well (at the clear circle) and then subjected to electrophoresis. After electrophoresis was complete, goat anti-chicken serum (75 µl) was placed in the lower trough and GGHL-30 (75 µl) (pre-conjugated affinity-purified antibody) was placed in the upper trough. After overnight incubation at 4°C, the gel was washed, fixed and stained with Coomassie. Note the single precipitin line between the center well and upper trough.