

**ANTI-BOVINE IgG (WHOLE MOLECULE)**

**Developed in Rabbit  
Fractionated Antiserum**

Product No. **B9884**

Lot 047H8802

Antiserum is developed in rabbit using purified bovine IgG as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. To ensure specificity the fractionated antiserum is adsorbed using solid phase techniques, if necessary. Rabbit Anti-Bovine IgG is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

**Specificity**

Rabbit Anti-Bovine IgG is determined to be immunospecific for bovine IgG (whole molecule) by immunoelectrophoresis versus normal bovine serum and bovine IgG.

**Identity and Purity**

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation in the gamma region.

**Protein Concentration:** 12.2 mg/ml by Biuret.

**Precipitation Analysis**

One milliliter of reconstituted antibody preparation will precipitate 0.5 mg of purified bovine IgG at equivalence.

**Titer:** 1:16

Using a double diffusion assay in 1% agarose, 5  $\mu$ l of serially diluted antisera is reacted against 5  $\mu$ l of a 1 mg/ml solution of purified bovine IgG (well separation 7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate by 24 hours.

**Reconstitution and Storage**

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8°C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

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