

**Product No. P-5774**  
**Lot 124H89921**

**Anti-Horseradish Peroxidase**  
Developed in Goat  
Fractionated Antiserum

Anti-Horseradish Peroxidase is developed in goat using purified peroxidase from horseradish as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. If necessary, the fractionated antiserum is adsorbed using solid phase techniques. Goat Anti-Horseradish Peroxidase is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, with no preservatives added.

**Specificity**

Antiserum is determined to be immunospecific for horseradish peroxidase by immunoelectrophoresis (IEP), versus crude horseradish peroxidase. The gel is stained with DAB (Diaminobenzidine) to ensure that the antibody does not inhibit the enzymatic activity of the peroxidase.

**Identity and Purity**

Identity and purity of the antibody is established by immunoelectrophoresis. Electrophoresis of the antibody preparation followed by diffusion results in a single arc of precipitation in the gamma region versus anti-goat IgG and multiple arcs versus anti-goat whole serum.

**Precipitation Analysis**

One milliliter of reconstituted antibody preparation will precipitate 0.75 mg of purified horseradish peroxidase at equivalence.

**Protein Concentration:**

The 1 ml vial contains 29.3 mg protein, by Biuret.

**Reconstitution and Storage Instructions**

Reconstitute by adding 1 ml of water to the 1 ml vial or 2 ml of water to the 2 ml vial. 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.