



Product Information

**Anti-Human IgG (gamma-chain specific)
Fractionated Antiserum
Developed In Goat**

Product No. **I 9881**

Product Description

Antiserum is developed in goat using purified human IgG as immunogen. To ensure specificity the antiserum is adsorbed using solid phase techniques. The resultant antiserum is fractionated and lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Specificity for the γ -chain of human IgG is determined by Ouchterlony Double Diffusion (ODD). The antibody preparation is specific for human IgG when tested against purified human IgA, IgG, IgM, Bence Jones Kappa and Bence Jones Lambda myeloma proteins.

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

Product Profile

Protein Concentration: 10-100 mg/ml by Biuret.

Titer: Minimum 1:16

Using a double diffusion assay, in 1% agarose, 5 μ l of serially diluted antiserum is reacted against 5 μ l of 1 mg/ml purified human 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 Instructions

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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