

Product Information

HUMAN IgG Purified Immunoglobulin Reagent Grade

Product No. I 4506

Product Description

Purified Human IgG is isolated from pooled normal human serum by fractionation and ion-exchange chromatography. The product is supplied as an essentially salt-free (less than 1% sodium), lyophilized powder.

Purified IgG may be used as a reference antigen, standard, blocking agent or coating protein in a variety of immunoassays including ELISA, dot immunobinding, Western immunoblotting, immunodiffusion and immunoelectrophoresis. Other applications include starting materials for the preparation of immunogens and solid-phase immunoabsorbents.

Reconstitution

The product is essentially a salt-free preparation and should be reconstituted to a minimum of 1mg/ml with a saline (150 mM NaCl) solution. Protein concentration should be determined after reconstitution by absorbance at 280 nm ($E_{280}^{1\%} = 14$).

Storage

Prior to reconstitution, store at 2-8 °C. After reconstitution, store aliquots at -20 °C. Repeated freezing and thawing is not recommended.

Performance Characteristics

Appearance: White, lyophilized powder.

Solubility: Slightly hazy, colorless solution at 50 mg/ml in 0.85% NaCl.

Protein Content: $\geq 90\%$ by weight ($E_{280}^{1\%} = 14$).

Sodium Content (ICP-Atomic Emission): $\leq 1\%$ by weight

Water Content (Karl Fischer): $\leq 1\%$ by weight

Identity (Immunoelectrophoresis): Single arc of precipitation in the gamma region at 50 and 250 μg of immunoglobulin versus anti-human whole serum and anti-human IgG.

Purity (SDS-PAGE, Non-Reduced): Not less than 95%.

BIOHAZARD: Handle as if capable of transmitting infectious agents. Refer to MSDS.

Source material tested and found negative for antibody to HIV, antibody to HCV, and for HbsAG.

Pcs8/00

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Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.