

Product No. I-4256
Lot 095F8830

Cat IgG
Purified Immunoglobulin
Reagent Grade

Description

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

Uses

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 1 mg/ml with a saline (150 mM NaCl) solution. Protein concentration should be determined after reconstitution by absorbance at 280nm ($E_{280}^{1\%} = 14$).

Storage

Prior to reconstitution, store at 0-5°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.

Sodium Content (ICP-Atomic Emission): <1%

Water Content (Karl Fischer): <10%

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

(Ouchterlony Double Diffusion): Single continuous arc of precipitation from 25 to 325 µg of immunoglobulin versus 50 µl of anti-cat whole serum.

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