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| **Description** | **Chromatographically purified human IgG** |
| **Product code** | HuIgG |
| **Biological origin** | Pooled normal human serum |
| **Physical form** | Lyophilized, stable white powder. |
| **Identity** | Confirmed by immunoelectrophoresis and double radial immuno-diffusion (Ouchterlony) using antisera to human IgG(Fc) and IgG(Fab) and total serum proteins. |
| **Purity** | Not less than 98% as determined by immunoelectrophoresis and radial immunodiffusion against a panel of specific antisera to individual human serum proteins. Tested in a concentration of 64 mg/ml at the level of sensitivity of the applied immunoprecipitating techniques, this product contains traces of IgA, transferrin and albumin, but not IgM, complement component C3c or fragments of C3 reactive with antiserum to C3c. |
| **Microbiological safety** | This product has been tested for the presence of HbsAg and antibodies to HIV 1 and was found to be negative. |
| **Preservative** | No preservative added. |
| **Intended use** | Purified human IgG may be used as a reference antigen, calibrator, coating protein and blocking agent in a variety of immunoassays including immunodiffusion, immunoelectrophoresis, ELISA, Western blotting, dot-immunobinding assays (DIBA), haemagglutination, and cell-binding assays. |
| **Handling** | This product is shipped lyophilized at ambient temperature. After arrival store at +4°C. Prolonged storage may be at -20°C. After opening the vial, the lyophilized content is reconstituted by adding 2 ml of sterile distilled water, mixed gently by inversion until complete dissolution is obtained. Allow to stand at ambient temperature for 5-10 minutes to reach equilibrium. Reconstituted solution may be stored frozen. Working dilutions may be prepared by adding the required amount of phosphate buffered saline (PBS), should not be refrozen and preferably used within 24 hours. Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation and will not affect the performance of the product. |
| **Packing** | Vial with 100 mg human IgG lyophilized from 2 ml PBS (pH 7.2). |
| **Storage / shelf life** | Lyophilized at +4°C — at least 10 years<br>reconstituted at or below -20°C — 3-5 years<br>reconstituted at +4°C — 7 days |
| **Caution** | This product should be handled only by qualified persons and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* laboratory research purposes only. |

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