

Human Immunoglobulin D (IgD) Serum Reference standard

Cat. No. IgD-184H Lot. No. (See product label)

SPECIFICATION

Product Overview	The material was established as the reference Standard for IgD. Plasma was obtained by selection for higher than average IgD levels from male blood donors. Following removal of fibrinogen by recalcification, the material was freeze-dried.
Species	Human
Enzyme Unit	100 units of activity per ampoule. 1 unit of activity has been assigned to the activity present in 0.8188mg of the freeze dried standard. The mean weight of contents of each ampoule is 81.88mg and each ampoule therefore contains on average 100 units of activity of IgD.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Store unopened ampoules in the dark at -20°C. Reconstitute the ampoule contents by the addition of 1.0ml of distilled water. The powder should dissolve readily on standing for 1 hour at room temperature to give a slightly turbid solution. Dilutions of the material should be used on the same day that the material is reconstituted. The material will dissolve in 0.5ml of water if required. The total volume of the standard reconstituted in 1.0ml has been calculated to be 1.06ml. The reconstituted standard will therefore contain 94.3 units of IgD in 1.0ml.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be

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regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Stability

Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. For information specific to a particular biological standard, contact Creative Biomart. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

Unopened ampoules should be stored in the dark at -20°C . Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

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