

Recombinant Human Interferon Beta Reference Standard

Cat. No. IFN β -01HRS Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Source CHO

Tag Non

Form White powder

Stability Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use.

Usage This is intended for use as the primary biological reference standard in bioassays for glycosylated human IFN- β .

Storage Unopened ampoules should be stored at -20°C.

contents Approximately 200 nanograms of recombinant (Chinese Hamster Ovary cell-derived) human IFN- β

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	1.875% human serum albumin 0.3% bovine casein.
Shipping	Because of the inherent stability of lyophilized material, may ship these materials at ambient temperature.
UNITAGE	40,000 International Units (IU).
USE OF MATERIAL	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the total contents of the ampoule in 0.5ml of sterile distilled water and transfer to a sterile container. Rinse the ampoule with 0.4ml of sterile distilled water and add to the first solution. Make up the total volume to 1.0ml with sterile distilled water. The final solution will contain IFN- β at a concentration of 40000 International Units (IU) per ml. Use carrier protein where dilution is required. It is recommended that initial dilutions, i.e. 1:10, 1:100, are either made in cell culture medium containing - 5%v/v –10%v/v calf serum or in phosphate-buffered saline, pH 7.0-7.4, containing 0.3%v/v bovine casein to prevent adsorption of IFN- β to container surfaces. For economy of use, it is recommended that the solution be sub-divided into several small aliquots and stored at -40°C or below.