



Product Datasheet

Product Name	Recombinant Human Interferon-Beta 1b
Cata No	CB500136
Source	Escherichia Coli.
Synonyms	Leukocyte interferon, B cell interferon, Type I interferon, IFNB1, IFB, IFF, IFNB, IFN-b 1b, MGC96956.

Description

Interferon-beta 1b has antiviral, antibacterial and anticancer activities.

Interferon beta 1b Human Recombinant produced in E.Coli is a single, non-glycosylated mutein (variant form) of human Interferon beta-1b polypeptide chain containing 165 amino acids and having a molecular mass of 18510.86 Dalton.

The IFN-beta gene was cloned from human fibroblasts and altered to substitute Serine for the Cysteine residue found at position 17.

IFN beta-1b is purified by proprietary chromatographic techniques.

Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Specific Activity

The specific activity as determined in a viral resistance assay (human "Wish" cell line and VSV virus or the monkey VERO cell line with EMCV virus) was found to be 32×10^6 IU/mg.

Storage

It is recommended to reconstitute the lyophilized Interferon beta-1b in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Lyophilized Interferon-beta 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18 $^{\circ}$ C. Upon reconstitution IFNB 1b should be stored at 4 $^{\circ}$ C between 2-7 days and for future use below -18 $^{\circ}$ C. Please prevent freeze-thaw cycles.

Formulation

Lyophilized from 1mg/ml solution containing 50mg Human Albumin & 50mg dextrose.

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