



Product Datasheet

Product Name	Recombinant Human Interferon-Beta 1a
Cata No	CB500138
Source	<i>CHO (Chinese Hamster Ovarian) cells.</i>
Synonyms	Leukocyte interferon, B cell interferon, Type I interferon, IFNB1, IFB, IFF, IFNB, IFN-b 1a

Description

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

Interferon-beta 1a Human Recombinant produced in CHO (Chinese Hamster Ovarian) cells is a single, glycosylated polypeptide chain containing 166 amino acids and having a molecular mass of 22500 Dalton.

IFN-beta1a 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 270×10^6 IU/mg.

Storage

It is recommended to reconstitute the lyophilized Interferon beta 1a 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 1a although stable at room temperature for 3 weeks, should be stored desiccated below -18 $^{\circ}$ C. Upon reconstitution IFN-Beta1a 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/10ml solution containing 91 mg Human Albumin, and 620 mg mannitol, and 9 mg Sodium Acetate.

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