

Recombinant Human Erythropoietin-beta (EPO-b)

Certificate of Analysis and Data Sheet

➤ Source: Chinese Hamster Ovary Cells (CHO).	➤ Catalog No. CTK-330
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➤ **Description :**

Recombinant Human Erythropoietin-beta is produced in Chinese hamster ovary (CHO) cells by recombinant DNA technology is a single, polypeptide chain containing 165 amino acids and having a predicted molecular mass of 21,000 Dalton and apparent glycosylated molecular mass of 30,400 Dalton.

EPO-beta is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile Filtered colorless solution at a concentration of 1mg/2.4ml.

➤ **Formulation:**

Each mg/2.4ml contains 2.3mg Sodium phosphate dibasic, 0.55mg sodium phosphate monobasic buffer, 5.8mg sodium chloride and 0.06mg calcium chloride and 0.004% tween 20.

➤ **Stability:**

rHuEPO-β, although stable at 14° C for 1 week, should be stored between 2-8°C.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 99.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Anion-exchange FPLC.

(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

➤ **Biological Activity:**

This rHuEPO-beta is fully biologically active when compared to standard. The Specific Activity was measured by Normocyth-aemic mice and was found to be 120,481IU/mg.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Epoetin beta.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.