



Recombinant Human erythropoietin **rHuEPO, ultra-low endotoxin**

Catalog number: HZ-6001
Lot #CHI-121407

Specifications and Use

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| Source | <ul style="list-style-type: none">● CHO cell |
| Molecular Mass | <ul style="list-style-type: none">● 39kDa |
| Purity | <ul style="list-style-type: none">● 100% as determined by SDS-PAGE and HPLC analyses |
| Biological Activity | <ul style="list-style-type: none">● The specific activity is $\geq 1.8 \times 10^5$ units/mg. |
| Endotoxin Level | <ul style="list-style-type: none">● Less than 0.02EU/mg of rHuEPO as determined by LAL method. |
| Formulation | <ul style="list-style-type: none">● Sterile filtered lyophilized (freeze-dried) powder |
| Solubility | <ul style="list-style-type: none">● It is recommended to reconstitute the lyophilized rHuEPO in sterile buffer to prepare a stock solution of no less than 100 mg/ml of the cytokine. |
| Stability | <ul style="list-style-type: none">● The rHuEPO solution, though stable at room temperature, is best kept desiccated 2-8 °C.● Reconstituted rHuEPO aliquots should be stored at -20 °C for maximal stability up to three years.● Avoid repeated freeze-thaw cycles. |
| Usage | <ul style="list-style-type: none">● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE. |

Recombinant Human erythropoietin

Erythropoietin (EPO) is a glycoprotein hormone produced primarily by the kidney and is the main factor regulating red blood cell production. The mature protein consists of a 165 amino acid polypeptide chain heavily glycosylated at three N-linked and O-linked glycosylation sites yielding a total molecular mass of 35-45kDa. About 40% of the fully glycosylated EPO molecule consists of carbohydrate.