

Recombinant Human Erythropoietin- α (EPO- α)

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Catalog Number:	PHC2054
Quantity:	500 IU, lyophilized
Lot Number:	See product label.
Molecular Weight:	30.4 kDa; 165 amino acid residues. The observed molecular mass of this glycosylated protein (30.4 kDa) differs from the mass predicted on the basis of amino acid composition (21 kDa).
Purity:	>98%, determined by RP-HPLC and SDS-PAGE analyses.
Biological Activity:	120,000 IU/mg. The biological activity was determined by <i>in vivo</i> bioassay measuring dose-dependent increase in reticulocyte count with normocythaemic mice. This recombinant human EPO is found to be fully biologically active when compared to standard.
Formulation:	Lyophilized in citrate buffered saline. Each mg of lyophilized powder contains 0.58 mg sodium citrate, 0.58 mg sodium chloride, and 0.006 mg citric acid.
Production:	Produced in Chinese Hamster Ovary (CHO) cells and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile, deionized water to a concentration of 12,000–120,000 IU/mL. Further dilutions can be made in aqueous buffers. For long term storage, EPO solutions should be supplemented with carrier protein, such as 0.1% HSA or BSA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at room temperature for three weeks, but should be stored desiccated below -18°C. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C, but should be stored below -18°C for long term storage. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

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Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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