

PRODUCT INFORMATION

Erythropoietin, human, recombinant (rhEPO)

- **Catalog Number** PGR114
- **Source** The cDNA sequence of mature human EPO was expressed in a **Chinese hamster ovary cell line**
- **Molecular Mass** The recombinant human EPO contains 166 amino acid residues and the non-glycosylated form of EPO has a molecular weight of approximately 21 kDa. The glycosylation of EPO increase a molecular weight and the glycosylated protein migrate as 37 kDa in SDS-PAGE under reducing conditions.
- **Purity** > 97 %, as determined by SDS-PAGE under reducing condition and visualized by silver stain.
- **Endotoxin Level** <1 EU per 1 μ g of the recombinant EPO as determined by the LAL method.
- **Biological Activity** The biological activity of PanGen's recombinant human EPO was measured in a cell proliferation assay using human erythroleukemic cell line TF-1 cells. The ED₅₀ for this effect is 0.2 ~ 0.8 ng/mL.
- **Formulation** The sterile filtered solution in 10 mM sodium phosphate, 10 mM potassium phosphate, 0.4 M NaCl, pH 7.4, containing 50 μ g of bovine serum albumin per 1 μ g of cytokine.
(Bovine serum albumin free rhEPO is also available.)
- **Storage** This cytokine can be stored under sterile conditions at 4°C for two months or at -70°C for six months without detectable loss of activity.
Avoid repeated freeze-thaw cycles.

For research use only. Not for use in Humans