



# Certificate of Analysis

## Erythropoietin/EPO Protein, Human (CHO)

Cat. No.:	HY-P7164
Batch No.:	316596
Species:	Human
Source:	CHO
Tag:	Tag Free
Accession:	P01588 (A28-R193)
Gene ID:	2056
Molecular Weight:	The protein migrates as an approximately 26-38 kDa band under reducing SDS-PAGE due to glycosylation.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.50%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	The ED <sub>50</sub> is ≤1.136 ng/mL as measured in a cell proliferation assay using TF-1 human erythroleukemic cells, corresponding to a specific activity of ≥8.803× 10 <sup>5</sup> units/mg.	1.136 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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