

Product:	SUPEROXIDE DISMUTASE
Product code:	SOD2
E.C. number:	1.15.1.1
CAS number:	9054-89-1
EINECS number:	232-943-0
Systematic name:	Superoxide:superoxide oxidoreductase
Source:	Bovine erythrocytes
Form:	A freeze-dried material
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit definition:	That amount of enzyme causing a 50% inhibition in the rate of reduction of Cytochrome C under the conditions of assay.
Activity:	Not less than 3000U/mg material (approximately 3500 U/mg protein)
Contaminant:	Carbonic anhydrase: less than 0.01%
Solubility:	Dissolves readily at 5mg/ml in 0.05M Potassium phosphate buffer, pH 7.8, containing 0.1mM EDTA, to give a clear solution.