

CAT

Catalase, Human Erythrocyte

Catalog No.	CSI19798A CSI19798B	Quantity:	1.0 mg 5 mg
Alternate Names:	MGC128112		
Description:	Composed of four identical subunits each with a molecular weight of 58,000. Catalyzes the reaction $2H_2O_2$ to H_2O+O_2 . Catalase, along with the superoxides dismutase and glutathione peroxidase, controls the levels of oxygen-derived free radicals in mammalian cells, and together may function as a somatic oxidant defense. Prepared from whole blood shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. >95percent pure by SDS-PAGE.		
Concentration:	10.0 mg/ml		
Gene ID:	531682		
Source:	Human erythrocyte		
Molecular Weight:	230,000		
Formulation:	Liquid in 0.05M Tris-HCl + pH8.0		
Purity:	>95% by SDS-PAGE analysis		
Specific Activity:	Greater than 50,000 units per mg (One unit is equal to the amount of enzyme that will decompose one micromole of hydrogen peroxide per minute at 25C, pH 7.4)		
Storage & Stability:	When stored at -80°C product is stable for 3 years from date of delivery. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com