Bioactive

Catalase

Catalog # P5219 Size 10 mL

Specification

Product Description	Solution. Dialyzed. 2x crystalline.
Biological function	Catalase is an enzyme responsible for the degradation of hydrogen peroxide. It is a protective enzyme present in nearly all animal cells.
Host	Bovine
Theoretical MW (kDa)	240
Form	Liquid
Preparation Method	Native protein purified from Bovine Liver
Concentration	~ 5 mg/mL
Activity	>=20,000 units per mg protein. One Unit decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 7.0.
Recommend Usage	Catalase Assay; Free radical research; Deoderization; Decomposition of residual hydrogen peroxide after bleaching woven and knitted cotton fabrics before drying; Cysteamine determination; Gluconic and glycolic acid production; Cleaning silicon and semiconductor plates.
Storage Instruction	Store at 4°C. Do not store in plastic: contains thymol. This product is stable for at least 3 months.
Note	Contains thymol as a preservative.

Applications

- Enzyme Activity

Gene Info — CAT

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Entrez GeneID	531682
Protein Accession#	P00432
Gene Name	CAT
Gene Alias	MGC128112
Gene Description	catalase
Gene Ontology	Hyperlink
Other Designations	-

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