

## Native Aspergillus sp. Catalase

## **Product Information**

Cat#	DIA-131
Abbr	CAT (Aspergillus sp.)
Alias	CAT
Similar	CAT
Source	Aspergillus sp.
Description	Catalase is a common enzyme found in nearly all living organisms, where it functions to catalyze the decomposition of hydrogen peroxide to water and oxygen. Catalase has one of the highest turnover numbers of all enzymes; one molecule of catalase can convert millions of molecules of hydrogen peroxide to water and oxygen per second. Catalase is a tetramer of four polypeptide chains, each over 500 amino acids long. It contains four porphyrin heme (iron) groups that allow the enzyme to react with the hydrogen peroxide. The optimum pH for catalase is approximately 7, while the optimum
	temperature varies by species.
Applications	temperature varies by species.  Auxillary enzyme useful in many assay formulations
Applications Form	
	Auxillary enzyme useful in many assay formulations
Form Enzyme Commission	Auxillary enzyme useful in many assay formulations Liquid
Form Enzyme Commission Number	Auxillary enzyme useful in many assay formulations  Liquid  EC 1.11.1.6
Form Enzyme Commission Number Activity	Auxillary enzyme useful in many assay formulations  Liquid  EC 1.11.1.6  150,000 U/ml or more
Form Enzyme Commission Number Activity CAS No.	Auxillary enzyme useful in many assay formulations  Liquid  EC 1.11.1.6  150,000 U/ml or more  9001-0 5-2
Form  Enzyme Commission Number Activity CAS No. Optimum pH Optimum	Auxillary enzyme useful in many assay formulations  Liquid  EC 1.11.1.6  150,000 U/ml or more  9001-0 5-2  8

Fax:1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



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**Synonyms** 

hydrogen-peroxide: hydrogen-peroxide oxidoreductase; equilase; caperase; optidase; catalase-peroxidase; CAT; EC 1.11.1.6; 9001-05-2; Catalase

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