

Enzymes



Enzymes are proteins that catalyze biochemical reactions. Typically they are highly selective catalysts acting only on specific substrates. Enzymatic activity can affect any number of biological processes. They play important roles in cell cycle regulation and also in metabolism.

Enzymes frequently require organic and inorganic cofactors to assist in catalysis. Like all catalysts, enzymes increase the rate of a reaction by lowering the activation energy. Enzymes, like chemical catalysts, are not consumed by the reactions they catalyze, nor do they alter the equilibrium of these reactions. Most enzyme reaction rates are millions of times faster than those of comparable un-catalyzed reactions and some are so fast that they are diffusion limited.

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	J65869	Alcohol dehydrogenase, yeast
	J10895	Alcohol Dehydrogenase, yeast, Thermo Scientific
	J61037	Alkaline Phosphatase, calf intestine, EIA Grade
	J65782	Ascorbate oxidase, from Cucurbita sp.
	J19439	beta-Nicotinamide adenine dinucleotide monosodium salt dihydrate, Thermo Scientific
	J22655	beta-Nicotinamide adenine dinucleotide phosphate monosodium salt tetrahydrate, Thermo Scientific
	J15335	beta-Nicotinamide Adenine Dinucleotide, Thermo Scientific
	J64149	Biocatalysis Enzyme Kit
	J65311	Carboxypeptidase Y from yeast
	J12885	Catalase, from bovine liver, Thermo Scientific
	J64019	Cellulase, chromatographically purified, T. reesei
	J13285	Cellulase, from Aspergillus niger, Affymetrix/USB
	J64282	Cholesterol Esterase, from porcine pancreas
	J64741	Chymotrypsinogen A, from bovine pancreas

J61362	Clostripain, Clostridium histolyticum
J62406	Collagenase, Type I, Clostridium histolyticum
J62229	Deoxyribonuclease I, bovine pancreas
J60027	Deoxyribonuclease I, bovine pancreas, Molecular Biology Grade
J61061	Deoxyribonuclease I, bovine pancreas, Purified
J63389	Deoxyribonuclease II, porcine spleen
45402	D-Glucose dehydrogenase
J65056	DNA Polymerase I Large (Klenow Fragment) Kit
J61874	Elastase, porcine pancreas
J61753	Elastase, porcine pancreas aqueous suspension
J60136	Ficin, fig tree latex
J61181	Glucose-6-phosphate dehydrogenase
J16171	Glucose-6-phosphate dehydrogenase, from Leuconostoc mesenteroides, ammonium sulfate suspension, Thermo Scientific
J60117	Glucose-6-phosphate dehydrogenase, Leuconostoc mesenteroides
J60044	Glutamic oxalacetic transaminase, porcine heart
J62109	Glutamic pyruvic transaminase, porcine heart
J63795	Hexokinase, yeast
J62903	Lipase, from porcine pancreas
J60701	Lysozyme, chicken egg white

45396	Malic Enzyme
J70196	Micrococcal nuclease, Staphylococcus aureus, Thermo Scientific
J63259	Neuraminidase, Clostridium perfringens
J60711	Neuraminidase, Clostridium perfringens, 50% w/w sucrose
J19880	Pancreatin 1X, from porcine pancreas, Thermo Scientific
J62162	Pancreatin, porcine pancreas
J61875	Papain, Carica Papaya Latex
J63408	Pectinase, Aspergillus niger
J20015	Pepsin, 1:10,000, from porcine stomach, Thermo Scientific
J61679	Pepsin, porcine stomach
J60026	Peroxidase, horseradish
J20240	Phosphodiesterase I, from Crotalus adamanteus venom, Thermo Scientific
J76230	Proteinase K, from Tritirachium album, Thermo Scientific
J62051	Proteinase K, Tritirachium album limber
J61373	Pyruvate Kinase, rabbit muscle
45393	R2-Alcohol Dehydrogenase
J60167	Reverse Transcriptase, murine, Moloney Murine Leukemia Virus

J62232	Ribonuclease A, bovine pancreas, chromatographically purified
J61996	Ribonuclease A, bovine pancreas, purified
J62334	Ribonuclease B, bovine pancreas
J62952	Ribonuclease, bovine pancreas
J61644	Ribonuclease T1, Aspergillus oryzae in 2.8M ammonium sulfate
45397	S4-Alcohol Dehydrogenase
45399	S5-Alcohol Dehydrogenase
J63003	Superoxide Dismutase, bovine erythrocytes
J65133	T4 DNA Ligase, 99+%, in 10mM Tris HCl and 50mM NaCl Kit
J65312	T4 DNA Ligase, in 20mM Tris HCl and 50mM KCl
J64594	Taq DNA Polymerase Kit
J63993	Trypsin 1:250, porcine pancreas
J63688	Trypsin, bovine pancreas
J60402	Trypsin, porcine pancreas
J60875	Uricase, Candida utilis
J63195	Yeast Lytic Enzyme, Arthrobacter luteus

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