

Download Lab Manual For Biology Enzyme Catalase Activity

The organelle responsible for destroying hydrogen peroxide is the peroxisome using the enzyme catalase. Both plants and animals have peroxisomes with catalase. The catalase sample for today's lab will be from a potato. The main enzyme for this lab, peroxidase, is found in many different forms, with optimum pHs ranging from 4 to 11 depending on the source and optimum temperatures varying from 10 to 70°C. * Transitioned from the AP Biology Lab Manual (2001) Biology Lab - Enzyme Action: Testing Catalase Activity

INTRODUCTION: Many organisms can decompose hydrogen peroxide (H_2O_2) enzymatically. Enzymes are globular proteins, responsible for most of the chemical activities of living organisms. They act as catalysts, as substances that

General Biology 1 Lab #6: Enzymes Pre-Lab Reading assignment: Chapter 8 Pages 151-161
Campbell Biology 10th Edition. ... For this experiment, you will be testing the activity of catalase. Catalase is an enzyme found in all living organisms which speeds up the breakdown of hydrogen peroxide (H_2O_2), a toxic chemical, to non-toxic water and