

# Download Enzyme Activity Ap Bio Lab Report

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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.

Enzymes. The Rate of Reaction on Liver, Apples, and Potatoes with Hydrogen Peroxide. AP Biology, Mod 5. Abstract The purpose of this lab was to test enzyme function in various environments.

BROMELAIN Found in stems and juice of pineapples or tablets What we did: 1. Experiment with Catalase to measure different factors of the enzyme's activity 2. Based off of what we learned, we made up our own experiment using bromelain I. The Catalase Experiment Part A The Time

In this lab, we are dealing with the enzyme that is usually found in the cells of many living tissues. The name of this enzyme is catalase; it speeds up a reaction which breaks down hydrogen peroxide, a toxic chemical, into 2 harmless substances -- water and oxygen.

Part 2: The Effect of Excessive Heat on Enzyme Activity Put 5 mL of catalase into a test tube and heat thoroughly over a Bunsen burner. Add 1 mL of the heated catalase to 10 mL of 1.5% H<sub>2</sub>O<sub>2</sub> in a 50-mL beaker.

Because of enzyme activity, cells can carry out complex chemical activities at relatively low temperatures. The substrate is the substance acted ... Continue reading "AP Sample Lab 2 Catalysis 2" The substrate is the substance acted ...

Before considering the factors that affect enzyme reactions, it is important to demonstrate that the enzyme assay shows that the enzyme actually follows accepted chemical principles. One way to demonstrate this is by determining the effect of enzyme concentration on the rate of activity, while using a substrate concentration that is in excess.

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General Overview Equipment and Supply Modifications. Question: "Are kits the way to go with this lab?" Answer 1: "I used the Edvotek enzyme lab this year and had a lot of trouble with it.

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