

Native Bovine Catalase

Cat. No. NATE-0105

Lot. No. (See product label)

Introduction

Description

Catalase activates the decomposition of hydrogen peroxide, a reactive oxygen species, into water and oxygen. It functions as a natural antioxidant, protecting cells against oxidative damage to proteins, lipids and nucleic acids. Catalase has also been used to study the role reactive oxygen species play in gene expression and apoptosis.

Synonyms

EC 1.11.1.6; Catalase; catalase; equilase; caperase; optidase; catalase-peroxidase; CAT; H₂O₂:H₂O₂ oxidoreductase; 9001-05-2

Product Information

Species

Bovine

Source

Bovine Liver

Form

A partially purified, lyophilized powder.

EC Number

EC 1.11.1.6

CAS No.

9001-05-2

Activity

Type 1 (Suspension) > 20,000 units per mg; Type 2 (Filtered) > 40,000 units per mg; Type 3 (Lyophilized) > 3,000 units per mg

Unit Definition

One Unit decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 7.0.

Storage and Shipping Information

Storage

All preparations are stable for 12 months at 2-8°C. Lyophilized preparations should be protected from moisture.