

## Native *Corynebacterium glutamicum* Catalase

Cat. No. NATE-0106

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; H<sub>2</sub>O<sub>2</sub>:H<sub>2</sub>O<sub>2</sub> oxidoreductase; 9001-05-2

### Product Information

#### Source

*Corynebacterium glutamicum*

#### Form

solution. contains ~30% glycerol, 10% ethanol

#### EC Number

EC 1.11.1.6

#### CAS No.

9001-05-2

#### Activity

> 500000 U/mL

#### Unit Definition

1 U corresponds to the amount of enzyme which decomposes 1 µmol H<sub>2</sub>O<sub>2</sub> per minute at pH 7.0 and 25°C

### Storage and Shipping Information

#### Storage

2-8°C