

## 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  $\mu$ mol 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