

## Bovine Catalase–polyethylene glycol

Cat. No. NATE-0111

Lot. No. (See product label)

### Introduction

**Description** PEG labeled catalase is one of PEGylated catalase conjugates. Catalase is a common enzyme found in nearly all living organisms exposed to oxygen. It catalyzes the decomposition of hydrogen peroxide to water and oxygen. Catalase is an important enzyme in protecting the cell from oxidative damage by reactive oxygen species. PEG modified catalase shows better stability with good reactivity. We provide a variety of chemically functionalized and bio-conjugated catalase with different functionality. These functionalized catalase conjugates were purified by size exclusion chromatography to ensure adequate applications both in-vitro and in-vivo.

**Synonyms** PEG-Catalase; Catalase–polyethylene glycol; CAT-PEG

### Product Information

**Species** Bovine

**Source** Bovine liver

**Form** Lyophilized powder

**CAS No.** 9001-05-2

**Molecular Weight** ~250 KDa

**Activity** 2000-5000 units/mg before conjugation; 20~50 PEG5000 on each catalase molecule

**Composition** Catalase from bovine liver modified with PEG

### Usage and Packaging

**Package** Package size based on protein content

### Storage and Shipping Information

**Storage** Store at -20°C