

**Cholesterol Oxidase from microorganism.**

**Product Code:** 172901

**EC no:** 1.1.3.6

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**SKU:** 172901

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

## SPECIFICATIONS

### EC 1.1.3.6

**Product name:** Cholesterol: oxygen oxidoreductase

**Appearance:** Yellowish amorphous powder, lyophilized

**Activity:** Grade III, 12 U/mg or more

**Contaminants:**

- Catalase < 0.1 %
- Cholesterol esterase: < 0.01 %

**Stabilizers:** Bovine serum albumin, amino acids

**Stability:** Stable at - 20 °C for at least one year

**Molecular weight:** Approx. 55000(by gel-filtration)

**Michaelis constants:**  $3 \times 10^{-5}$  M (Cholesterol)

**Inhibitors:** Ionic detergents,  $\text{Hg}^{2+}$

**Optimum pH:** 7.0 – 8.0

**Optimum temperature:** 60 °C

**pH Stability:** pH 5.0 – 10.0 (25 °C, 20hr)

**Thermal stability:** Below 60 °C (pH 7.0, 15min)