

## **Cholesterol Oxidase from Microorganism**

**Product Code:** 172804

**EC:** 1.1.3.6

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**SKU:** 172804

**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

**Contaminant:**

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

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

**Stability:** Stable at - 20 °C for at least 12 months

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

**Isoelectric point:**  $4.6 \pm 0.1$  and  $4.9 \pm 0.1$  and  $5.2 \pm 0.1$

**Michaelis constants:**  $2.1 \times 10^{-5}\text{M}$  (Cholesterol)

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

**Optimum pH:** 7.0 - 8.0

**Optimum temperature:** 60 °C

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

**Thermal stability:** below 55 °C (pH 7.0, 15min)