

Cholesterol Oxidase from Microorganism

Product Code: 172804

EC: 1.1.3.6

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 ± 0.1 and 4.9 ± 0.1 and 5.2 ± 0.1

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

Inhibitors: Ionic detergents, Ag^+ , 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)