

Superoxide Dismutase from Bovine erythrocyte

Product Code: 171671

EC no: 1.15.1.1

SKU: 171671

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS:

EC 1.15.1.1

Product name: Superoxide: superoxide oxidoreductase

Appearance: Bluish-green amorphous powder lyophilized

Activity: Grade III, 3000 U/mg-solid or more

Contaminants: Catalase $\leq$ 0.01%

Stability: Stable at -20 °C for at least 6 months

Molecular weight: 32,000

Isoelectric point 4.95

Structure: subunits per mole of enzyme (Each one mole of copper and zinc is bound to each subunit)

Inhibitors: Cyanide, diethyldithiocarbamate

Optimum pH: 9.0

Optimum temperature: 30 °C

pH Stability: pH 7.0–8.5 (25 °C, 20hr)

Thermal stability: below 70 °C (pH 7.0, 30min)