Creative Enzymes®

Native Arthrobacter globiformis Choline oxidase

Cat. No. DIA-139

Lot. No. (See product label)

Introduction

Description	In enzymology, a choline oxidase (EC 1.1.3.17) is an enzyme that catalyzes the chemical reaction choline + O2↔ betaine aldehyde + H2O2. Thus, the two substrates of this enzyme are choline and O2, whereas its two products are betaine aldehyde and H2O2.
Synonyms	choline oxidase; EC 1.1.3.17; choline: oxygen 1-oxidoreductase

Product Information

Source	Arthrobacter globiformis
Appearance	Yellow amorphous powder
Form	Freeze dried powder
EC Number	EC 1.1.3.17
CAS No.	9028-67-5
Activity	8-20 U/mg
Contaminants	Catalase/Choline oxidase ratio < 10:1; Glucose oxidase < 0.01%
pH Stability	7.5-9.0 (37°C, 30 mins)
Optimum pH	7.5-8.0
Thermal stability	Stable at 40°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage	Store in tightly closed containers, desiccated, protected from light, at-20°C.