

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.