

## Native Candida sp. Alcohol oxidase

Cat. No. DIA-123

Lot. No. (See product label)

### Introduction

#### Description

In enzymology, an alcohol oxidase (EC 1.1.3.13) is an enzyme that catalyzes the chemical reaction a primary alcohol + O<sub>2</sub> ⇌ an aldehyde + H<sub>2</sub>O<sub>2</sub>. Thus, the two substrates of this enzyme are primary alcohol and O<sub>2</sub>, whereas its two products are aldehyde and H<sub>2</sub>O<sub>2</sub>. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with oxygen as acceptor.

#### Applications

Useful for enzymatic determination of blood alcohol.

#### Synonyms

ethanol oxidase; alcohol oxidase; EC 1.1.3.13; Methanol oxidase; 9073-63-6

### Product Information

#### Source

Candida sp.

#### Form

Light yellow powder

#### EC Number

EC 1.1.3.13

#### CAS No.

9073-63-6

#### Activity

7~20 U/mg

#### pH Stability

6.0-9.5 (37°C, 60 mins)

#### 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.