

## 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.