

## Native Pseudomonas sp. Formaldehyde Dehydrogenase

Cat. No. NATE-0257

Lot. No. (See product label)

### Introduction

#### Description

Formaldehyde dehydrogenase catalyzes the conversion of formaldehyde to formate.

#### Applications

Formaldehyde dehydrogenase is used as a biosensor for the presence of formaldehyde in pharmaceuticals, waste water, vaccines and industrial products. It was also used in coupled pectin methyl esterase (PME) enzyme assay.

#### Synonyms

EC 1.2.1.46; Formaldehyde Dehydrogenase; NAD-linked formaldehyde dehydrogenase; NAD-dependent formaldehyde dehydrogenase; 9028-84-6

### Product Information

#### Source

Pseudomonas sp.

#### Form

Lyophilized powder containing ~70% stabilizers as Mg<sup>2+</sup>, Ca<sup>2+</sup>, bovine serum albumin, glycine, and lysine

#### EC Number

EC 1.2.1.46

#### CAS No.

9028-84-6

#### Activity

1.0-6.0 units/mg solid

#### Unit Definition

One unit will oxidize 1.0 μmole of formaldehyde to formic acid per min at pH 7.5 at 37°C.

### Storage and Shipping Information

#### Storage

–20°C