Creative Enzymes®

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 Mg2+, Ca2+, 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