Creative Enzymes®

Native Bovine L-Lactic Dehydrogenase

Cat. No. NATE-0409

Lot. No. (See product label)

Introduction

Description	Native Bovine L-Lactate Dehydrogenase for research on lactate metabolism and enzymatic activity. Ideal for biochemistry and molecular biology studies. Creative Enzymes ensures high-quality solutions.
Applications	For use in enzymatic determination of lactate or pyruvate.
Synonyms	EC 1.1.1.27; 9001-60-9; lactic acid dehydrogenase; L (+)-nLDH; L-(+)-lactate dehydrogenase; L-lactic dehydrogenase; L-lactic acid dehydrogenase; lactate dehydrogenase; lactate dehydrogenase NAD-dependent; lactic dehydrogenase; NAD-lactate dehydrogenase; L-lactate dehydrogenase; (S)-Lactate:NAD+ oxidoreductase; L-LDH; LAD; LD; Lactate

Product Information

Species	Bovine
Source	Bovine heart
Form	Type I, Suspension in 2.2 M ammonium sulfate; Type II, buffered aqueous glycerol solution, Solution in 50% glycerol containing 0.025 M potassium phosphate buffer, pH 7.5; Type III, ammonium sulfate suspension, Crystalline suspension in 2.1 M (NH4)2SO4 solution, pH 6.0; Type IV, buffered aqueous glycerol solution, Solution in 50% glycerol containing 0.025 M potassium phosphate buffer, pH 7.5.
EC Number	EC 1.1.1.27
CAS No.	9001-60-9
Activity	>90%. (>200U/mL)
Pathway	Cysteine and methionine metabolism, organism-specific biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Propanoate metabolism, organism-specific biosystem
Function	L-lactate dehydrogenase activity
Unit Definition	One unit will reduce 1.0 µmole of pyruvate to L-lactate per min at pH 7.5 at 37°C.

Storage and Shipping Information

Storage	2-8°C