Creative Enzymes®

Native Chicken L-Lactic Dehydrogenase

Cat. No. NATE-0411

Lot. No. (See product label)

Introduction

Description A lactate dehydrogenase (LDH or LD) is an enzyme found in nearly all living cells (animals, plants, and prokaryotes). LDH catalyzes the conversion of pyruvate to lactate and back, as it converts NADH to NAD+ and back. A dehydrogenase is an enzyme that transfers a hydride from one molecule to another.

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 Chicken

Source Chicken heart

Form ammonium sulfate suspension; Crystalline suspension in 1.3 M (NH4)2SO4, pH 6.0

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; Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glycolysis / Gluconeogenesis, 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