

## 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<sup>+</sup> 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 (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 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