

Lactate Dehydrogenase (LDH)

Cat. No. LDH-24 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

LDH can catalyze the reduction of pyruvate to L-lactic acid, or reduction of other similar α -keto acids. In the process of catalysis, NADH is necessary as hydrogen transporter.

Instructions and Precautions

The following reaction system could be used for reference: 1-10 mg/mL Substrate, 10 mg/mL Enzyme, 10% (v/v) Organic cosolvent, 100 mM Phosphate buffer (pH 7.0), 0.2 mg/mL NAD⁺, 100 mM Ammonium formate, 10 mg/mL Formate dehydrogenase (FDH) Incubate the reactions at a constant temperature shaker (for example, 30 centigrade, 150 rpm) in for 24~48 hours. Centrifuge each mixture to precipitate protein, then the supernatant can be used for TLC, HPLC or GC analysis. Note: Organic solvent (such as DMSO, methanol, acetonitrile, IPA, etc.) is optional, used for insoluble substrates.

GENE INFORMATION

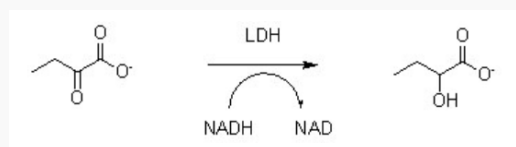
Official Symbol

LDH

Synonyms

Lactate Dehydrogenase; LDH

Lactate dehydrogenase catalytic reaction type



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