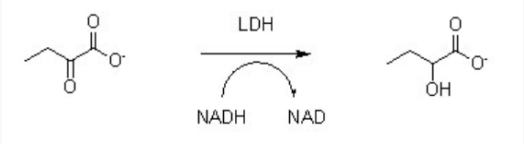
Lactate Dehydrogenase (LDH)

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

SPECIFICATION

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, them 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 dehydrogenasecatalytic reaction type	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA