

LDHB

Description: The DNA encoding chicken LDH-B is cloned from cDNA library of chicken heart.

Catalog #: ENPS-286

Synonyms: Lactate Dehydrogenase, LDH.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile lyophilized powder.

Purity: Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

The protein (1 mg/ml) was lyophilized with 0.1mg potassium phosphate.

Stability:

Lyophilized Lactate Dehydrogenase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LDH should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Usage:

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Solubility:

It is recommended to reconstitute the lyophilized LDH in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

Lactate dehydrogenase (LDH) is an enzyme (EC1.1.1.27) present in a wide variety of organisms, including plants and animals. A tetrameric enzyme that catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. At high concentrations of pyruvate, the enzyme exhibits feedback inhibition and the rate of conversion of pyruvate to lactate is decreased. In vertebrates, genes for three different subunits (LDH-A, LDH-B and LDH-C) exist.

Biological Activity:

The specific activity was found to be 258 U/mg protein.

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