



Product Datasheet

Product Name	Lactate Dehydrogenase Recombinant
Cata No	CB500458
Source	Escherichia Coli.
Synonyms	Lactate Dehydrogenase, LDH.

Description

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

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.