

LDHB

Native Bovine Lactate Dehydrogenase, Lyophilized

Catalog No.	CSI19674A	Quantity:	10 KU
	CSI19674B		25 KU

Alternate Names: LDHB, LDH-H, LAD, D,L-LDH,(S)-Lactate, HBD, LDH

Description: Lactate Dehydrogenase (LDH) is an enzyme (EC1.1.1.27) present in a wide variety of organisms, including plants and animals. Lactate Dehydrogenase(LDH) can also catalyze the oxidation of hydroxybutyrate, Lactate Dehydrogenase (LDH) is occasionally called Hydroxybutyrate Dehydrogenase (HBD).Tissue breakdown elevates levels of LDH, and therefore a measure of it indicates, e.g., hemolysis. Other disorders indicated by elevated LDH include cancer, meningitis, encephalitis, acute pancreatitis, and HIV. Determination of serum lactate dehydrogenase activity is one of the most frequently performed assays as an aid in the diagnosis of myocardial and pulmonary infarction. Other conditions, such as megaloblastic anemia, extensive carcinomatois, severe shock and hypoxia, granulocytic or acute anemia, hemolytic anemia, infectious mononucleosis, progressive muscular dystrophy, hepatitis, cirrhosis, obstructive jaundice, and in delirium tremens are all caused increased activity of lactate dehydrogenase LDH activity.

GeneID: 281275

Source: Bovine Heart

Molecular Weight: 136.7 kDa

Formulation: Lyophilized

Protein: >0.6 mg Protein/mg

Biological Activity: >100 units/ml

Specific Activity: >100 u/mg @ 37C.

EC Number: 1.1.1.27

Storage & Stability: Stable for 1 year at -20°C. **Avoid repeated freeze-thaw cycles.**

Unit Definition: One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37C and pH 8.55.

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