

Active Native Bovine Lactate Dehydrogenase

Cat. No. LDH-121B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bovine Lactate Dehydrogenase was purified from Bovine Heart. CAS Number: 9001-60-9
Species	Bovine
Source	Bovine Heart
Description	Lactate dehydrogenase is an enzyme present in a wide variety of organisms, including plants and animals. 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 carcinomatosis, severe shock and hypoxia, granulocytic or acute anemia, hemolytic anemia, infectious mononucleosis, preprogressive muscular dystrophy, hepatitis, cirrhosis, obstructive jaundice, and in delirium tremens are all caused increased activity of lactate dehydrogenase activity. LDH is also found in cerebrospinal fluid where high levels of lactate dehydrogenase in cerebrospinal fluid are often associated with bacterial meningitis. High levels can also be found in cases of viral meningitis, generally indicating the presence of encephalitis and poor prognosis.
Form	Lyophilized from a phosphate buffer
Bio-activity	>100 U/mg protein
Molecular Mass	~136,700

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Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37C and pH 8.55
Storage	-20 °C
Concentration	>0.6 mg protein/mg

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