

## LDHB

## Native Human Total Lactate Dehydrogenase

<b>Catalog No.</b>	CSI19673A CSI19673B	<b>Quantity:</b>	10 U 100 U
<b>Alternate Names:</b>	LDHB, LDH-H, LAD, D, L-LDH,(S)-Lactate, HBD		
<b>Description:</b>	<p>Lactate Dehydrogenase (LDH) is an enzyme present in a wide variety of organisms, including plants and animals. 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.</p> <p>Lactate Dehydrogenase(LDH) can also catalyze the oxidation of hydroxybutyrate, Lactate Dehydrogenase (LDH) is occasionally called Hydroxybutyrate Dehydrogenase (HBD). 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.</p> <p>Other conditions, such as megaloblastic anemia, extensive carcinomatosis, 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.</p>		
<b>Concentration:</b>	>15 mg Protein/ml		
<b>GeneID:</b>	3945		
<b>Source:</b>	Human Heart		
<b>Molecular Weight:</b>	136.7 kDa		
<b>Formulation:</b>	Ammonia Sulfate Suspension		
<b>Isotype:</b>	LD1, LD2, LD3, LD4, LD5 present, custom LD isoenzyme ratios available.		
<b>Biological Activity:</b>	>100 units/ml		
<b>EC Number:</b>	1.1.1.27		
<b>Storage &amp; Stability:</b>	Store at 2-4°C. Stable for 1 year from delivery. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Unit Definition:</b>	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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