

LDH

LDH, Native Bovine Lactate Dehydrogenase

Catalog No.	CSI14875A	Quantity:	10 KU
	CSI14875B		25 KU

Alternate Names: LAD, LD, L-LDH, (S)-Lactate, NAD⁺ oxidoreductase

Description: Lactate Dehydrogenase (LDH) catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. It converts pyruvate, the final product of glycolysis to lactate when oxygen is absent or in short supply, and it performs the reverse reaction during the Cori Cycle in the liver. At high concentrations of lactate, the enzyme exhibits feedback inhibition and the rate of conversion of pyruvate to lactate is decreased.

Concentration: Typically >1 mg Protein/mL

Source: Bovine Heart

Molecular Weight: ~136.7 kDa

Formulation: Ammonium Sulfate Suspension

Specific Activity: Typically >100 u/mL @ 37°C

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

Storage & Stability: Store at 2-4°C. 1 year.

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