

LDH

LDH, Native Human Lactate Dehydrogenase

Catalog No.	CSI14800A	Quantity:	100 U
	CSI14800B		500 U

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.

There are five isoenzymes: LDH1 (heart), LDH2 (reticuloendothelial system), LDH3 (lung), LDH4 (kidneys), and LDH5 (liver and striated muscles).

Source: Human Heart

Formulation: Lyophilized

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 -20°C. 1 year.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.