

## LDH

### Native Porcine Lactate Dehydrogenase

<b>Catalog No.</b>	CSI14906A	<b>Quantity:</b>	10 KU
	CSI14906B		50 KU

**Alternate Names:** LAD, LD, L-LDH, (S)-Lactate, NAD<sup>+</sup> oxidoreductase

**Description:** Lactate Dehydrogenase (LDH) catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD<sup>+</sup>. 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.

**Source:** Porcine Muscle

**Molecular Weight:** ~136.7 kDa

**Formulation:** Lyophilized

**Specific Activity:** Typically >100 U/mg @ 37°C

One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at pH 7.5 at 37°C.

**Storage & Stability:** Store at -20°C. 1 year.

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



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