

## Product Datasheet

### Lactate Dehydrogenase (LDH), Chicken Heart 350-50

<b>Product Name</b>	Lactate Dehydrogenase (LDH), Chicken Heart
<b>Catalog Number</b>	350-50
<b>Alternative Names</b>	LAD, LD, L-LDH, (S)-Lactate, LDH
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Lyophilized White powder
<b>Concentration</b>	≥ 0.8 mg protein/mg (A <sub>280</sub> /Coomassie)
<b>Storage</b>	-20 °C
<b>Purity</b>	Purified
<b>CAS Number</b>	9001-60-9
<b>Source</b>	Chicken Heart
<b>Molecular Weight</b>	~136,700 (Huston et al. 1972)
<b>Shelf Life</b>	3 years
<b>Biological Activity</b>	≥ 200 U/mg (Dimension® Clinical Chemistry System)
<b>Content</b>	CPK: ≤ 0.5% GLDH: ≤ 0.1% SGOT/AST: ≤ 0.02% SGPT/ALT: ≤ 0.07% Protease: ≤ 0.01% Ammonia: ≤ 0.02 micromole/mg
<b>Specific Activity</b>	≥ 200 U/mg protein
<b>Unit Definition</b>	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate with simultaneous reduction of NAD <sup>+</sup> to NADH per minute at 37°C and pH 9.4.