

## Product Datasheet

### Lactate Dehydrogenase (LDH), Porcine Heart 350-90

<b>Product Name</b>	Lactate Dehydrogenase (LDH), Porcine Heart
<b>Catalog Number</b>	350-90
<b>Alternative Names</b>	LDH, Lactic Dehydrogenase
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Lyophilized White to off-white powder
<b>Concentration</b>	≥ 0.5 mg protein/mg (Coomassie)
<b>Storage</b>	-20 °C
<b>Purity</b>	Purified
<b>CAS Number</b>	9001-60-9
<b>Source</b>	Porcine Heart
<b>Molecular Weight</b>	~136,700 (Huston et al. 1972)
<b>Shelf Life</b>	4 years
<b>Biological Activity</b>	≥ 100 U/mg (Dimension® Clinical Chemistry System)
<b>Content</b>	AST/SGOT: ≤ 0.1% ALT/SGPT: ≤ 0.06% MDH: ≤ 0.06% PK: ≤ 0.06%
<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.