

## Product Datasheet

### Lactate Dehydrogenase (LDH), Bovine Heart 350-20

<b>Product Name</b>	Lactate Dehydrogenase (LDH), Bovine Heart
<b>Catalog Number</b>	350-20
<b>Alternative Names</b>	LAD, LD, L-LDH, (S)-Lactate, LDH
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Lyophilized White to off-white powder
<b>Concentration</b>	$\geq 0.5$ mg protein/mg or reported in mg protein/vial (Coomassie)
<b>Storage</b>	-20 °C
<b>Purity</b>	Purified
<b>CAS Number</b>	9001-60-9
<b>Source</b>	Bovine Heart
<b>Molecular Weight</b>	~136,700 (Huston et al. 1972)
<b>Shelf Life</b>	3 years
<b>Biological Activity</b>	$\geq 100$ U/mg or reported in U/vial (Siemens Dimension® Clinical Chemistry System)
<b>Content</b>	AST/GOT: $\leq 0.6\%$ ALT/GPT: $\leq 0.07\%$ Pyruvate Kinase: Typically $\leq 0.1\%$ Ammonia: $\leq 0.1$ micromole/mg or reported in micromole/vial
<b>Specific Activity</b>	$\geq 100$ 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.