

Product Datasheet

Lactate Dehydrogenase (LDH), Bovine Heart 350-20

Product Name	Lactate Dehydrogenase (LDH), Bovine Heart
Catalog Number	350-20
Alternative Names	LAD, LD, L-LDH, (S)-Lactate, LDH
Brand	Lee Biosolutions
Form/Appearance	Lyophilized White to off-white powder
Concentration	≥ 0.5 mg protein/mg or reported in mg protein/vial (Coomassie)
Storage	-20 °C
Purity	Purified
CAS Number	9001-60-9
Source	Bovine Heart
Molecular Weight	~136,700 (Huston et al. 1972)
Shelf Life	3 years
Biological Activity	≥ 100 U/mg or reported in U/vial (Siemens Dimension® Clinical Chemistry System)
Content	AST/GOT: $\leq 0.6\%$ ALT/GPT: $\leq 0.07\%$ Pyruvate Kinase: Typically $\leq 0.1\%$ Ammonia: ≤ 0.1 micromole/mg or reported in micromole/vial
Specific Activity	≥ 100 U/mg protein
Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate with simultaneous reduction of NAD ⁺ to NADH per minute at 37°C and pH 9.4.