

Product Datasheet

Lactate Dehydrogenase (LDH), Bovine Heart 350-11

Product Name	Lactate Dehydrogenase (LDH), Bovine Heart
Catalog Number	350-11
Alternative Names	LAD, LD, L-LDH, (S)-Lactate: NAD ⁺ oxidoreductase
Brand	Lee Biosolutions
Form/Appearance	Liquid White to off-white slurry
Concentration	5 - 20 mg protein/mL (Coomassie)
Storage	2-8° C
Purity	Purified
CAS Number	9001-60-9
Source	Bovine Heart
Molecular Weight	Appr. 136,700 (Huston et al. 1972)
Shelf Life	2 years
Biological Activity	2,000 - 2,400 U/mL (Siemens Dimension® Clinical Chemistry System)
Content	AST/GOT: ≤ 0.6% ALT/GPT: ≤ 0.07%
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.