

Product Datasheet

Lactate Dehydrogenase (LDH), Porcine Heart 350-80

Product Name	Lactate Dehydrogenase (LDH), Porcine Heart
Catalog Number	350-80
Alternative Names	LDH, Lactic Dehydrogenase
Brand	Lee Biosolutions
Form/Appearance	Liquid Cloudy, white suspension, Suspension in 2.5 M ammonium sulfate with 0.1 M sodium phosphate, pH 7.0
Concentration	≥ 15 mg/mL (Coomassie)
Storage	2-8° C
Purity	Purified
CAS Number	9001-60-9
Source	Porcine Heart
Molecular Weight	~136,700 (Huston et al. 1972)
Shelf Life	2 years
Biological Activity	≥ 5,000 U/mL (Dimension® Clinical Chemistry System)
Content	AST/SGOT: ≤ 0.1% ALT/SGPT: ≤ 0.06% MDH: ≤ 0.06% PK: ≤ 0.06%
Specific Activity	≥ 200 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.