

## Product Datasheet

### Lactate Dehydrogenase 5 (LDH-5), Human Liver 355-50

<b>Product Name</b>	Lactate Dehydrogenase 5 (LDH-5), Human Liver
<b>Catalog Number</b>	355-50
<b>Alternative Names</b>	LD-5 Isoenzyme, LDH-5 Isoenzyme, 4M Isoenzyme
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	≥ 1.0 mg protein/mL (Coomassie)
<b>Storage</b>	2-8° C
<b>Isotype</b>	LDH-5: ≥ 95% (Helena QuickGel® LD Isoenzyme Electrophoresis) LDH-1: ≤ 2.0% LDH-2: ≤ 2.0% LDH-3: ≤ 2.0% LDH-4: ≤ 2.0%
<b>Purity</b>	Purified
<b>CAS Number</b>	9001-60-9
<b>Source</b>	Human Liver
<b>Shelf Life</b>	2 years
<b>Biological Activity</b>	≥ 1,000 U/mL (Dimension® Clinical Chemistry System)
<b>Content</b>	CPK: ≤ 1%
<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.