

## Lactate Dehydrogenase 4 Active Protein

Lactate Dehydrogenase 4 (LDH-4), Human Liver

CATALOG #  
**AAA44812**

### PRODUCT SYNONYMS

Lactate Dehydrogenase 4; Lactate Dehydrogenase 4 (LDH-4); Human Liver; LDH-4 isoenzyme; 1H3M isoenzyme; Id4 isoenzyme; LD4; Lactate Dehydrogenase 4 active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form/Format             | Liquid; Suspension in 3.1 M ammonium sulfate, 50 mM tris chloride, 1 mM DTT and 1 mM EDTA, pH 8.3.                                                   |
| Source                  | Human Liver                                                                                                                                          |
| Activity                | > 110 U/mL (Dimension® Clinical Chemistry System)                                                                                                    |
| EC Number               | 1.1.1.27                                                                                                                                             |
| Unit Definition         | One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 9.44.                                       |
| Specific Activity       | >= 370 U/mg protein                                                                                                                                  |
| Protein                 | 0.81 mg protein/mL (Coomassie)                                                                                                                       |
| Isozyme Content         | LD1 < 2% ((Helena QuickGel® LD Isoenzyme Electrophoresis)<br>LD2 < 2%<br>LD3 < 2%<br>LD4 > 95% (Mobility consistent with serum control)<br>LD5 < 15% |
| Contaminants            | CK: < or = 0.1%                                                                                                                                      |
| CAS Number              | 9001-60-9                                                                                                                                            |
| Activity                | >= 110 U/mL (Dimension Clinical Chemistry System)                                                                                                    |
| Handling                | Handle as a potentially hazardous substance.                                                                                                         |
| Recovery                | Centrifuge briefly to ensure complete recovery. Mix thoroughly before sampling.                                                                      |
| Preparation and Storage | Ships on blue ice. Store 2-8°C. Do not freeze.                                                                                                       |

### ADDITIONAL INFORMATION

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| Related Product Information for Lactate Dehydrogenase 4 active protein | AAA Biotech sells human Lactate Dehydrogenase 4 (LDH-4) for research and manufacturing uses.<br><br>Custom preparations, technical support, bulk quantities and aliquoting available.                  |
| Product Categories/Family for Lactate Dehydrogenase 4 active protein   | <a href="#">Proteins</a> ; <a href="#">Antigens</a> ; <a href="#">Enzymes</a> ; <a href="#">Standards/controls</a> ; <a href="#">Native Proteins</a> ; <a href="#">Lactate Dehydrogenase 4 (ldh-4)</a> |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.