

## Active Native Human Lactate Dehydrogenase 3

**Cat. No.** LDH3-22H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Human LDH3 was purified from Human Heart.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Human Heart                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the 5' untranslated region. |
| <b>Form</b>             | Liquid. Cloudy, off-white suspension. Suspension in 3.1 M ammonium sulfate, 20 mM tris-chloride, 1 mM DTT, 1 mM EDTA, pH 7.5.                                                                                                                                                                         |
| <b>Bio-activity</b>     | >300 U/mL (Dimension® Clinical Chemistry System)                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | LDH-3: >95%, LDH-1:< 1.0%, LDH-2:< 1.0%, LDH-4:< 1.0%, LDH-5:< 1.0% (helena quickgel® isoenzyme)                                                                                                                                                                                                      |
| <b>Unit Definition</b>  | One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 8.55.                                                                                                                                                                                        |
| <b>Storage</b>          | Store at 2-8°C                                                                                                                                                                                                                                                                                        |

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