

Active Native Human Lactate Dehydrogenase 3

Cat. No. LDH3-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human LDH3 was purified from Human Erythrocytes.
Species	Human
Source	Human Erythrocyte
Description	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.
Form	Liquid. Suspension in 3.1 M ammonium sulfate, 20 mM tris-chloride, 1 mM DTT, 1 mM EDTA, pH 7.5.
Bio-activity	>250 U/mL (Dimension® Clinical Chemistry System)
Purity	LDH-3: >98%, LDH-1:< 1.0%, LDH-2:< 1.0%, LDH-4:< 1.0%, LDH-5:< 1.0% (helena quickgel® isoenzyme)
Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 8.55.
Storage	Store at 2-8°C

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