

Active Native Human Lactate Dehydrogenase 2

Cat. No. LDH2-20H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human LDH2 was purified from Human Heart.
Species	Human
Source	Human Heart
Description	This gene encodes an enzyme which catalyzes the reversible conversion of lactate and pyruvate, and NAD and NADH, in the glycolytic pathway. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on the X chromosome and on chromosome. Multiple alternatively spliced variants, encoding the same protein, have been identified.
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-2: >95%, LDH-1:< 3.0%,="" Idh-3:="">< 3.0%,="" Idh-4:="">< 3.0%,="" Idh-5:="">< 3.0%="" (helena="" quickgel®="" isoenzyme="">
Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37oC and pH 8.55.
Storage	Store at 2-8oC

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