



## CERTIFICATE OF ANALYSIS

PRODUCT NAME:	LACTATE DEHYDROGENASE Rabbit
ACTIVITY:	Typically > 100u/mg @ 37C
CAT. NO:	I350-90
CAS NO:	9001-60-9
EC NO:	1.1.1.27
FORM:	Lyophilized
SOURCE:	Rabbit
STORAGE:	-20C
SYNONYMS:	LAD, LD, L-LDH, (S)-Lactate, LDH

Lactate dehydrogenase (LDH) is an enzyme (EC 1.1.1.27) present in a wide variety of organisms, including plants and animals. Lactate Dehydrogenase (LDH) catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD<sup>+</sup>. Lactate Dehydrogenase(LDH) can also catalyze the oxidation of hydroxybutyrate, Lactate Dehydrogenase (LDH) is occasionally called Hydroxybutyrate Dehydrogenase (HBD).

Determination of serum lactate dehydrogenase activity is one of the most frequently performed assays as an aid in the diagnosis of myocardial and pulmonary infarction. Other conditions, such as megaloblastic anemia, extensive carcinomatosis, severe shock and hypoxia, granulocytic or acute anemia, hemolytic anemia, infectious mononucleosis, progressive muscular dystrophy, hepatitis, cirrhosis, obstructive jaundice, and in delirium tremens are all caused increased activity of lactate dehydrogenase activity