



LDH

Product Description

Name :	Lactate Dehydrogenase (LDH) from Bovine Heart
Catalog Number :	243733, 10 KU CAS [9001-60-9]
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
Activity :	≥ 100 U/mg (Siemens Dimension® Clinical Chemistry System)
Protein :	≥ 0.5 mg protein/mg (Coomassie)
Specific Activity :	≥ 100 U/mg protein
Contaminants :	AST/GOT: < 0.6% ALT/GPT: < 0.07% Pyruvate Kinase: Typically < 0.1% Ammonia: < 0.1 micromole/mg
Solubility :	Clear and colorless (10 mg/mL saline)
Reconstitution :	> 1 mg/mL in phosphate buffered saline
Molecular Weight :	~136,700 (Huston et al. 1972)

Storage: -20°C

Introduction

Lactate Dehydrogenase is used in multi-analyte clinical chemistry controls and calibrators by major IVD manufacturers worldwide.

Lactate dehydrogenase is an enzyme present in a wide variety of organisms, including plants and animals. 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

LDH is also found in cerebrospinal fluid where high levels of lactate dehydrogenase in cerebrospinal fluid are often associated with bacterial meningitis. High levels can also be found in cases of viral meningitis, generally indicating the presence of encephalitis and poor prognosis.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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