



## Lactate Dehydrogenase Activity Assay Kit

### Product Information

**Cat**

Kit-2257

**Cat.No.**

Kit-2257

### Product Overview

Lactate Dehydrogenase (LDH; EC 1.1.1.27) is a common enzyme found in wide range of organisms. It catalyzes the interconversion of pyruvate and lactate, with concomitant interconversion of NADH and NAD<sup>+</sup>. During tissue damage, LDH is released into the bloodstream; therefore it serves as a marker for various diseases and common injuries. Lactate Dehydrogenase Activity Assay kit provides a quick and easy method for monitoring Lactate Dehydrogenase activity in a wide variety of samples. In this assay, Lactate Dehydrogenase converts lactate into pyruvate and NADH, which reacts with to generate an intense fluorescent product (Ex/Em = 535/587 nm). This kit is simple, highly sensitive and high-throughput adaptable, and can detect Lactate Dehydrogenase activity as low as 1  $\mu$ U/ml.

### Applications

Measurement of LDH activity in various tissues and cells  
Evaluation of tissue damages or cell cytotoxicity.

### Storage

-20°C

### Shipping

Gel Pack

### Size

500 assays

### Kit Components

LDH Assay Buffer; LDH Substrate Mix (Lyophilized); PicoProbe (in DMSO); NADH Standard



CREATIVE BIOMART®  
Assay Kit

## Lactate Dehydrogenase Activity Assay Kit

(Lyophilized); LDH Positive Control

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**Detection method** Fluorescence (Ex/Em = 535/587 nm)

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### Features & Benefits

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Simple & highly sensitive;  
High-throughput adaptable;  
Detection Limit: 1  $\mu$ U/ml

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