CREATIVE BIOMART®
Assay Kit

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+. 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 μU/ml.

Applications

Measurement of LDH activity in various tissues and cellsEvaluation 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 (Lyophilized); LDH Positive Control

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

Features & Benefits

Simple & highly sensitive;
High-throughput adaptable;
Detection Limit: 1 μU/ml

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