

L-Lactate Dehydrogenase Assay Kit

Cat. No. Kit-2087 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Lactate Dehydrogenase Assay Kits provide both fluorescence and absorbance-based method for detecting either L-LDH or D-LDH in biological samples such as serum, plasma, urine, as well as in cell culture samples. In the enzyme coupled assay, LDH is proportionally related to the concentration of NADH that is specifically monitored by a fluorogenic NADH sensor. This assay kit is specific for L-LDH. The signal can easily read by an absorbance microplate reader at ~575 nm or at the absorbance ratio of A575nm/A605nm to increase assay sensitivity. With the L-Lactate Dehydrogenase Assay Kit, we were able to detect as little as 3mU/mL LLDH in a 100 μ reaction volume. It is robust, and can be readily adapted for a wide variety of applications that require the measurement of L-LDH.

Size

200 Tests

Description

Lactate dehydrogenase (LDH) is an oxidoreductase enzyme that catalyzes the interconversion of pyruvate and lactate. LDH is present in cytosol of a wide variety of organisms, including animals and plants. Cells release LDH into the bloodstream after tissue damage or red blood cell hemolysis. Since LDH is a fairly stable enzyme, it has been widely used to evaluate the presence of damage and toxicity of tissue and cells. Quantification of LDH has a broad range of applications. LDH is also elevated in certain pathological conditions such as cancer.

Storage

Keep in freezer. Avoid exposure to light.

Kit Components

Component A: Enzyme Mix: 1 bottle (lyophilized powder) Component B: Assay Buffer:

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1 bottle (10 mL) Component C: NAD: 1 vial Component D: L-Lactate Dehydrogenase:
10U/vial

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