

D-Lactate Dehydrogenase Assay Kit

Cat. No. Kit-2088 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Lactate Dehydrogenase Assay Kits provide both fluorescence and absorbance-based method for detecting either L-lactate dehydrogenase (L-LDH) or D-lactate dehydrogenase (DLDH) 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 chromogenic NADH sensor. This assay kit is specific for D-LDH. The absorption signal can be read by an absorption microplate reader at ~575 nm or at the absorbance ratio of ~570 nm to ~605 nm (A575nm/A605nm) to increase assay sensitivity. With this colorimetric D-lactate Dehydrogenase Assay Kit, we were able to detect as little as mU/mL DLDH 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 D-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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Kit Components

Component A: Enzyme Probe: 1 bottle (lyophilized powder)
Component B: Assay Buffer: 1 bottle (10 mL)
Component C: NAD: 1 vial
Component D: D-lactate Dehydrogenase: 10U/vial

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA