CREATIVE BIOMART®
Assay Kit

Lactate Dehydrogenase Assay Kit

Product Information

Cat.No. Kit-0509

Product Overview

Detection and Quantification of Lactate Dehydrogenase Activity.

Description

Lactate dehydrogenase (LDH) is an oxidoreductase present in a wide variety of organisms. It catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD. When disease or injury or toxic material damages tissues, cells release LDH into the bloodstream. Since LDH is a fairly stable enzyme, LDH has been widely used to evaluate the presence of damage and toxicity of tissue and cells. Quantification of LDH has broad range of applications. In this colorimetric LDH quantification assay, LDH reduces NAD to NADH, which then interacts with a specific probe to produce a color (Lambda max = 450 nm). The kit quantifies LDH activity in variety of biological samples such as in serum or plasma, cells, culture medium and fermentation, etc. The assay is quick, convenient, and sensitive.

Applications

Functional Assay

Storage

Shipped and store at 4°C for 6 months.

Kit Components

Component-Volume-Storage1. 96-Well Microplate; 2. Extract: 30 ml x 1, 4°C; 3. Reagent I: 5 ml x 1, 4°C; 4. Reagent II: Powder x 1, -20°C; 5. Reagent III: 5 ml x 1, 4°C; 6. Reagent IV: 20 ml x 1, 4°C; 7. Technical Manual: 1 ManualNote: Reagent II: add 1.3 ml distilled water to dissolve before use, stored at -20°C.

Detection method Colorimetric

Compatible Sample Types

Biological Fluid; Cell Culture Supernatant; Plasma; Serum; Tissue Culture Supernatant; Urine

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