CREATIVE BIOMART®
Assay Kit

D-Lactate Fluorometric Assay Kit

Product Information

Cat.No. Kit-0292

Product Overview

D-Lactate Assay Kit (Fluorometric) is designed for the measurement of D-Lactate.

Description

Lactic acid is chiral and has two optical isomers: L-lactic acid and D-lactic acid. Lactate is constantly produced from pyruvate via the enzyme lactate dehydrogenase (LDH) in the process of metabolism and exercise. Monitoring lactate levels is a good way to evaluate the balance between tissue oxygen demand and utilization and is useful when studying cellular and animal physiology. D-lactate is not metabolized by mammals and its elimination from the body depends mainly on renal excretion. D- and L-lactic acid are found in many fermented milk products such as yoghurt and cheese, and also in pickled vegetables, and cured meats and fish. The Dand L-lactic acid content is a quality indicator of foods, such as egg, milk, fruit juice and wine. Abnormal high concentration of D- lactate in the blood is usually a reflection of bacterial overgrowth in the gastrointestinal tract.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C and avoid from light.

Kit Components

Component A: Enzyme mix (lyophilized powder) 2 vialComponent B: AST Assay Buffer 10 mlComponent C: NAD 1 vialComponent D: D-Lactate Standard (2.25mg) 1 vial

Compatible Sample Types

Biological samples

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA