CREATIVE BIOMART®
Assay Kit

Human Lactate Dehydrogenase A Inhibitor Screening Kit (Colorimetric)

Product Information

Cat

Kit-2370

Cat.No. Kit-2370

Product Overview

The human oxidoreductase Lactate Dehydrogenase A (LDHA) (EC:1.1.1.27) is a key enzyme in lactic acid metabolism. It interconverts pyruvate and NADH to lactate and NAD+ respectively. In mammals, LDHA exists as a tetramer and is primarily found in skeletal muscle tissues. LDHA is a common marker to assay for tissue damage and is also known to promote tumor proliferation in breast, lung, and pancreatic cancer patients. In LDHA Inhibitor Screening Kit, LDHA catalyzes the conversion of lactate to an intermediate that interacts with a probe to develop a color that can be measured at OD 450 nm. In the presence of a LDHA specific inhibitor, the reaction is impeded. A LDHA Inhibitor Control is included to compare the efficacy of the sample inhibitors. The assay is high-throughput adaptable and can be completed in less than 1 hr.

Applications

Screening/characterizing/studying potential inhibitors of Lactate Dehydrogenase A

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

LDHA Assay Buffer; LDHA Substrate Mix; LDHA; LDHA Inhibitor Control; LDHA Dilution Buffer

Detection method Absorbance (OD = 450 nm).

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

CREATIVE BIOMART®
Assay Kit

Human Lactate Dehydrogenase A Inhibitor Screening Kit (Colorimetric)

Features & Benefits

Simple and sensitive assay.
Fast protocol - can be performed in 30 min.
HTP adaptable.

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