CREATIVE BIOMART®
Assay Kit

LDH-Cytotoxicity Fluorometric Assay Kit

Product Information

Cat

Kit-2194

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Product Overview

Lactate Dehydrogenase (LDH, EC 1.1.1.27) is a stable enzyme and is present in all cell types. Cell damage leads to release of LDH enzyme into the media and its activity is widely used as a marker for cytotoxicity. It reversibly converts lactate into pyruvate, with the concomitant interconversion of NADH and NAD+. LDH-Cytotoxicity Fluorometric Assay Kit provides a sensitive, quick, and easy way for detection of LDH released from damaged cells. In this assay, LDH converts lactate to pyruvate and NADH, which reduces a proprietary probe to an intensely fluorescent product (Ex/Em = 535/587 nm). The amount of fluorescence is directly proportional to the number of damaged cells. The assay is adaptable to high-throughput format and can be completed in less than 20 min. Sensitivity: ~ 100 cells.

Applications

Measurement of released LDH in culture medium.
Evaluation of cytotoxicity effect of test compounds.

Storage

-20°C

Shipping

Gel Pack

Size

500 assays

Kit Components

LDH Assay Buffer; LDH Substrate Mix; PicoProbe; Cell Lysis Solution; LDH Positive Control

Detection method Fluorescence (Ex/Em = 535/587 nm)

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Features & Benefits

Highly-Sensitive: Detects as less as 100 cells.
Rapid protocol: requires less than 20 min.
High-throughput adaptable.

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