CREATIVE BIOMART®
Assay Kit

Glucose Dehydrogenase Activity Assay Kit

Product Information

Cat.No. Kit-0359

Product Overview

This assay detects GDH activity as low as 0.01 mU with our unit definition. (100 assays) Simple procedure; takes ~ 30 minutes to 2 hoursFast and convenientSensitive assays for measuring Glucose Dehydrogenase in various biological samples

Size

100 assays

Description

Glucose 1-dehydrogenase (NAD+) (EC 1.1.1.118) is an enzyme that catalyzes the chemical reaction: D-glucose + NAD+ ↔ D-glucono-1,5-lactone + NADH + H+. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD+ or NADP+ as acceptor. Glucose Dehydrogenase (GDH) Assay Kit provides a convenient tool for sensitive detection of the GDH in a variety of samples. The GDH present in sample will recognize D-glucose as a specific substrate leading to a proportional color development. The activity of GDH can be easily quantified colorimetrically (λ = 450 nm). This assay detects GDH activity as low as 0.01 mU with our unit definition.

Applications

This assay detects GDH activity as low as 0.01 mU with our unit definition.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

GDH Assay BufferGlucose (2 M)Developer (Lyophilized)GDH Positive Control (Lyophilized)NADH Standard (0.5 µMol, Lyophilized)

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

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Detection method	Colorimetric

Compatible Sample Types

Cell Culture SupernatantsPlasmaSerumUrine

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