

## 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 hours Fast and convenient Sensitive assays for measuring Glucose Dehydrogenase in various biological samples

#### Size

100 assays

#### Description

Glucose 1-dehydrogenase (NAD<sup>+</sup>) (EC 1.1.1.118) is an enzyme that catalyzes the chemical reaction: D-glucose + NAD<sup>+</sup> ↔ D-glucono-1,5-lactone + NADH + H<sup>+</sup>. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> 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 ( $\lambda = 450 \text{ nm}$ ). 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



CREATIVE BIOMART®  
Assay Kit

## Glucose Dehydrogenase Activity Assay Kit

GDH Assay Buffer Glucose (2 M) Developer (Lyophilized) GDH Positive Control (Lyophilized) NADH Standard (0.5  $\mu$ Mol, Lyophilized)

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**Detection method** Colorimetric

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**Compatible Sample Types**

Cell Culture Supernatants Plasma Serum Urine

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