

# 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<sup>+</sup>) (EC 1.1.1.118) is an enzyme that catalyzes the chemical reaction: D-glucose + NAD<sup>+</sup>  $\leftrightarrow$  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 ( $\lambda = 450$  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

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## Glucose Dehydrogenase Activity Assay Kit

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

**Detection method** Colorimetric

**Compatible Sample Types**

Cell Culture SupernatantsPlasmaSerumUrine

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