

Glucose Dehydrogenase Activity Assay Kit

Cat. No. Kit-0359 **Lot. No.** (See product label)

SPECIFICATION

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

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	diagnostic or therapeutic use.
Kit Components	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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