

Glutamate Dehydrogenase Detection Kit

Cat. No. Kit-0360 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Glutamate Dehydrogenase Detection Kit provides a convenient tool for sensitive detection of GDH in a variety of samples. GDH in sample will consume glutamate as a specific substrate and generate NADH stoichiometrically, resulting in a proportional color development. The GDH activity is easily quantified colorimetrically ($\lambda = 450 \text{ nm}$). This assay detects GDH activity as low as 0.01mU in serum or tissue and cell extracts.
Size	100 x 1 assay
Description	Glutamate dehydrogenase (GDH) is an enzyme that converts glutamate to α -Ketoglutarate, and vice versa. It represents a key link between catabolic and metabolic pathways, and is therefore ubiquitous in eukaryotes.
Applications	Functional Studies
Storage	Store kit at -20°C , protect from light. Warm the Assay Buffer to room temperature before use. Briefly centrifuge all small vials prior to opening. Read the entire protocol before performing the assay.
Kit Components	Components Identifier 100 testsGDH Assay Buffer WM 1 x 25mlGDH Developer Red 1 vialGDH Positive Control Green 1 vialGlutamate Blue 1 x 1mlNADH Yellow 1 vial
Compatible Sample Types	Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids, Tissue Extracts

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Sensitivity

>0.01 mU/well

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