

Glutamate Dehydrogenase Activity Assay Kit

Cat. No. Kit-0358 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GDH Activity Assay Kit is used for measuring glucose dehydrogenase activity.
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. GDH Activity 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.
Target Species	Mammals
Usage	For research use only (RUO)
Storage	Store the kit at -20°C, protect from light. Allow Assay Buffer to warm to room temperature before use. Briefly centrifuge vials prior to opening. Read the entire protocol before performing the assay.
Kit Components	GDH Assay Buffer. Cap code: WM. 25 mL Glucose (2 M). Cap code: blue. 1 mL Developer (lyophilized). Cap code: red. 1 vial GDH Positive Control (lyophilized).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Cap code: green. 1 vial NADH Standard (0.5 μ mol, Lyophilized). Cap code: yellow. 1 vial

Detection method Colorimetric

Compatible Sample Types Biological Fluid, Cell Culture Supernatant, Culture Medium, Fermentation Medium, Food Sample, Plasma, Serum, Tissue Culture Supernatant, Urine

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA