CREATIVE BIOMART®
Assay Kit

Glutamate Dehydrogenase Activity Assay Kit

Product Information

Cat.No. Kit-0358

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 mLGlucose (2 M). Cap code: blue. 1 mLDeveloper (lyophilized). Cap code: red. 1 vialGDH Positive Control (lyophilized). Cap code: green. 1 vialNADH Standard (0.5 μmol, Lyophilized). Cap code: yellow. 1 vial

Detection method Colorimetric

Compatible Sample Types

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Glutamate Dehydrogenase Activity Assay Kit

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

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