CREATIVE BIOMART®
Assay Kit

Glutamate Dehydrogenase Detection Kit

Product Information

Cat.No. Kit-0360

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 (λ = 450 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 a-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

Sensitivity

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>0.01 mU/well

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