CREATIVE BIOMART®
Assay Kit

Glucose Oxidase Activity Assay Kit

Product Information

Cat.No. Kit-0383

Product Overview

Glucose Oxidase Activity Assay Kit is a quantitative colormetric/fluorometric determination of glucose oxidase activity.

Description

The glucose oxidase enzyme (GOx) (EC 1.1.3.4) is an oxidoreductase commonly found in a wide variety of microorganisms that catalyzes the oxidation of glucose to hydrogen peroxide and D-glucono-δ-lactone. GOx aids in breaking the sugar down into its metabolites. Glucose Oxidase Activity Assay Kit provides a convenient tool for sensitive detection of the GOx in a variety of samples. Glucose oxidase in samples recognizes Dglucose as a specific substrate leading to proportional color development. The activity of GOx can be easily quantified colorimetrically (λ = 570 nm) or fluorometrically (Ex/Em = 535/585 nm). GOx assay detects glucose oxidase activity as low as 0.01mU.

Usage

For research use only (RUO)

Storage

Store kit at -20°C, protected from light. Warm 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

GOx Assay Buffer. Cap code: WM. 28 mlOxiRed Probe. Cap code: red. 0.2 mlGOx Substrate. Cap code: blue. 1 mlGOx Developer. Cap code: green. 1 vialGOx Positive Control. Cap code: purple. 1 vialH2O2 Standard (0.88 M). Cap code: yellow. 0.1 ml

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Biological Fluid, Cell Homogenate

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