CREATIVE BIOMART®
Assay Kit

Glucose Oxidase Fluorometric Assay Kit

Product Information

Cat.No. Kit-0384

Product Overview

Glucose Oxidase Assay Kit (Fluorometric) provides a quick and sensitive method for the measurement of glucose oxidase in solution. It can be performed in a convenient 96-well or 384-well microtiter plate format and readily adapted to automation without a separation step. The kit uses our AbRed Indicator which enables a dual recordable mode. The fluorescent signal can be easily read by either a fluorescence microplate reader at Ex/Em = 540/590 nm or an absorbance microplate reader at 576 nm.

Description

Glucose oxidase is a dimeric protein that catalyzes the oxidation of beta-D-glucose into hydrogen peroxide and D-glucono-1,5-lactone, which is hydrolyzed to gluconic acid. It is widely used for the determination of glucose in body fluids and in removing residual glucose and oxygen from beverages, food and other agricultural products. Furthermore, Glucose oxidase is commonly used in biosensors to detect glucose.

Applications

Functional Studies

Target Species

Reacts with: HumanPredicted to work with: all Mammals

Storage

Keep at -20°C. Avoid exposure to light

Kit Components

AbRed Indicator 1 vialAssay Buffer 1 x 50mlDMSO 1 x 200µlGlucose oxidase 1 vialGlucose standard 1 vialHorseradish Peroxidase 1 vial

Compatible Sample Types

Urine, Plasma, Other biological fluids

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Sensitivity
0.05 mU/ml

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