CREATIVE BIOMART®
Assay Kit

Glucose Assay Kit II

Product Information

Cat.No. Kit-0373

Product Overview

Glucose Assay Kit is used for measuring glucose.

Description

Glucose (C6H12O6; FW: 180.16) is a very important fuel source to generate universal energy molecules ATP. Glucose level is a key diagnostic parameter for many metabolic disorders. Measurement of glucose can be very important in both research and drug discovery processes. The Glucose Assay Kit provides direct measurement of glucose in various biological samples (e.g., serum, plasma, other body fluid, food, growth medium, etc.). Glucose Enzyme Mix specifically oxidizes glucose to generate a product which reacts with a dye to generate color (OD 570 nm) and fluorescence (Ex/Em = 535/587 nm). The generated color or fluorescence is directly proportional to the amount of glucose present. The method is rapid, simple, sensitive, and suitable for high throughput. The assay is also suitable for monitoring glucose level during fermentation and glucose feeding in protein expression processes. The kit detects 1□10000 µM of glucose in various samples.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store kit at -20°C, protect from light. Briefly centrifuge vials before opening. Read the entire protocol before performing the assay.

Kit Components

Glucose Assay Buffer 25 mLGlucose Probe (in DMSO) 0.2 mLGlucose Enzyme Mix (lyophilized) 1 vialGlucose Standard (100 nmol/µL) 100 µl

Detection method Colorimetric, Fluorometric

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Compatible Sample Types

Biological Fluid, Cell Culture Supernatant, Growth Medium, Plasma, Serum, Tissue Culture Supernatant, Urine

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