

## Glucose Oxidase Activity Assay Kit

### Product Information

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#### Cat.No.

Kit-0383

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#### Product Overview

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

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#### 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- $\delta$ -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 ( $\lambda = 570$  nm) or fluorometrically (Ex/Em = 535/585 nm). GOx assay detects glucose oxidase activity as low as 0.01mU.

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#### Usage

For research use only (RUO)

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#### 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.

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#### 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 vialH<sub>2</sub>O<sub>2</sub> Standard (0.88 M). Cap code: yellow. 0.1 ml

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**Detection method** Colorimetric, Fluorometric

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#### Compatible Sample Types

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CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Glucose Oxidase Activity Assay Kit

Biological Fluid, Cell Homogenate

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