



## Glucose Oxidase Fluorometric Assay Kit

### Product Information

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#### Cat.No.

Kit-0384

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#### Product Overview

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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.

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#### Description

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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.

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#### Applications

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Functional Studies

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#### Target Species

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Reacts with: Human Predicted to work with: all Mammals

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#### Storage

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Keep at -20°C. Avoid exposure to light

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#### Kit Components

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AbRed Indicator 1 vial  
Assay Buffer 1 x 50ml  
DMSO 1 x 200µl  
Glucose oxidase 1 vial  
Glucose standard 1 vial  
Horseradish Peroxidase 1 vial

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#### Compatible Sample Types

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

## Glucose Oxidase Fluorometric Assay Kit

Urine, Plasma, Other biological fluids

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**Sensitivity**

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0.05 mU/ml

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