

Glucose Oxidase Fluorometric Assay Kit

Cat. No. Kit-0384 **Lot. No.** (See product label)

SPECIFICATION

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: Human Predicted to work with: all Mammals
Storage	Keep at -20°C. Avoid exposure to light
Kit Components	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
Compatible Sample Types	Urine, Plasma, Other biological fluids

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Sensitivity

0.05 mU/ml

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