

Glucose Assay Kit II

Cat. No. Kit-0373 **Lot. No.** (See product label)

SPECIFICATION

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 mL Glucose Probe (in DMSO) 0.2 mL Glucose Enzyme Mix (lyophilized) 1 vial Glucose Standard (100 nmol/µ) 100 µ

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Detection method	Colorimetric, Fluorometric
Compatible Sample Types	Biological Fluid, Cell Culture Supernatant, Growth Medium, Plasma, Serum, Tissue Culture Supernatant, Urine

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