



## Glucose Assay Kit II

### Product Information

#### Cat.No.

Kit-0373

#### Product Overview

Glucose Assay Kit is used for measuring glucose.

#### Description

Glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>; 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/μL) 100 μl



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Assay Kit

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**Detection method** Colorimetric, Fluorometric

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**Compatible Sample Types**

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

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