

Glucose (GLU) Fluorometric Assay Kit

Cat No: HR3BC1246

For research use only

Overview

Detection Method	Fluorescence method
Storage	-20°
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Assay Time	25 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, urine
Synonyms	GLU
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Detection Principle	Glucose oxidase can catalyze the oxidation of glucose into gluconic acid and produce hydrogen peroxide. In the presence of peroxidase, hydrogen peroxide reacts with the non-fluorescent substance to form fluorescent substance. The glucose content can be calculated indirectly by measuring the fluorescence intensity at the excitation wavelength of 535 nm and the emission wavelength of 590 nm.
Reagents	
Labware	Pipettor, Water bath, Centrifuge
Size	96T
Sensitivity	0.1 ?mol/L
Detection Range	0.1-20 ?mol/L
Recovery Rate	99