Sucrose Fluorometric Assay Kit

Cat No: HR3BC1290

For research use only

Overview

Detection Method	Fluorescence method
Storage	-20?
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Assay Time	70 min
Validity	6
Assay Type	Quantitative
Sample Type	Plant tissue
Synonyms	
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Detection Principle	Sucrose can be hydrolyzed by sucrase to produce glucose under acidic conditions, which is catalyzed by glucose oxidase to produce hydrogen peroxide. In the presence of HRP (horse radish peroxidase), hydrogen peroxide reacts with the fluorescent probe to form red fluorescent substance. The sucrose content can be calculated by measuring the fluorescence intensity at the excitation wavelength of 535 nm and the emission wavelength of 590 nm.
Reagents	
Labware	Micropipettor, Incubator, Water bath, Centrifuge
Size	96T
Sensitivity	0.15 ?mol/L
Detection Range	0.15-15 ?mol/L
Recovery Rate	96