Sucrase Activity Assay Kit

Cat No: HR3BC1295

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader (500-520 nm, optimum wavelength: 505 nm)
Assay Time	70 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	animal tissu
Synonyms	
Instrument	Microplate reader (500-520 nm, optimum wavelength: 505 nm)
Detection Principle	Sucrase catalyzes its substrate (sucrose) to produce glucose, which produces hydrogen peroxide under the action of glucose oxidase. Hydrogen peroxide reacts with chromogenic agent to produce red substance, which has a strong absorption peak at 505 nm. In a certain concentration range, It's absorbance is proportional to glucose concentration. Therefore, the activity of sucrase can be calculated by measuring the OD value at 505 nm.
Reagents	PBS (0.01 M, pH 7.4)
Labware	Micropipette, Vortex mixer, Centrifuge
Size	96T
Sensitivity	20 U/mL
Detection Range	20-2000 U/mL
Recovery Rate	100