

General Acid Invertase Assay Kit

Acid Invertase Microplate Assay Kit

CATALOG # AAA261592	REACTIVITY General	APPLICATIONS Functional Assay
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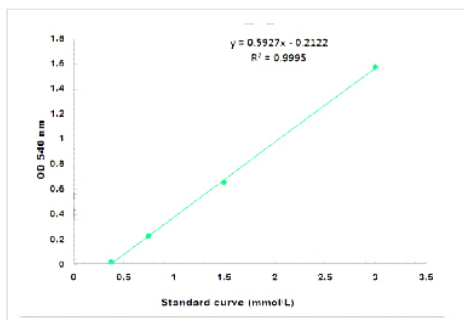
PRODUCT SYNONYMS

Acid Invertase; Acid Invertase Microplate Assay Kit; EC 3.2.1.26; Beta-fructofuranosidase; Beta-fructosidase; Invertase; Saccharase; Acid Invertase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Tissue extracts, cell lysate samples
Detection Range	0.3 mmol/L - 3 mmol/L
Applicable Applications for Acid Invertase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Acid Invertase assay kit

Background/Introduction: Invertase, also known as sucrase or beta -fructofuranosidase, catalyzes the hydrolysis of sucrose by cleaving its glycosidic bond and forming one molecule each of glucose and fructose. According to the optimum pH, invertase is divided into acid invertase (AI) and neutral invertase (NI). AI mainly exists in cell vacuole or free space, the optimum pH is 4.5 ~ 5.0. AI regulates the use of sugar in vacuole and the accumulation of sugar in fruit through the degradation of sucrose in the vacuole. AI hydrolyzes the sucrose to generate reducing sugar. The reducing sugar reduces the 3,5-dinitrosalicylic acid to generate red-brown substance. The color intensity, measured at 540 nm, is proportionate to the enzyme activity in the sample.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.