

Sucrose Assay Kit

Sucrose assay kit (Ultraviolet method)

CATALOG #
AAA172724

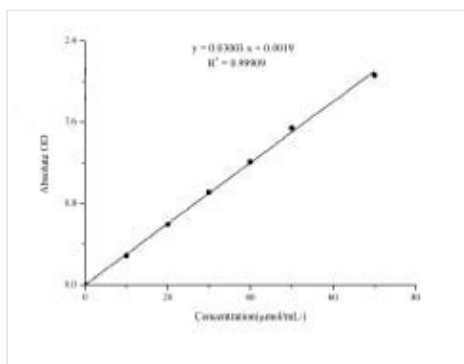
PRODUCT SYNONYMS

Sucrose; Sucrose assay kit (Ultraviolet method); Sucrose assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissue samples
Detection Range	0.32~70 umol/mL
Sensitivity	0.32 umol/mL
Intra-assay Precision	The intra-assay CV is 3.4%.
Inter-assay Precision	The inter-assay CV is 8.5%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sucrose assay kit

Principle of the Assay: Sucrose in plant tissue is hydrolyzed to glucose and fructose in boiling water bath under acidic conditions. 5-hydroxymethyl furfural was synthesized from fructose under acid condition and measure the ultraviolet absorption of 5-hydroxymethyl furfural. Glucose must be dissimilated into ketose structure and reduced to obtain 5-hydroxymethylfurfural, but the rate of isomerization of glucose to ketose is very slow. Therefore, the ultraviolet absorption of glucose is much smaller than fructose.

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.