

beta-Amylase Assay Kit

beta-Amylase Activity Assay Kit

CATALOG #
AAA177778

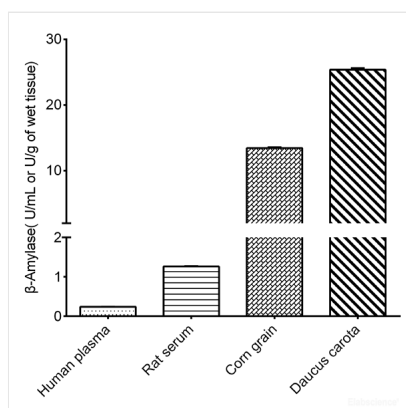
PRODUCT SYNONYMS

beta-Amylase; beta-Amylase Activity Assay Kit; beta-Amylase assay kit

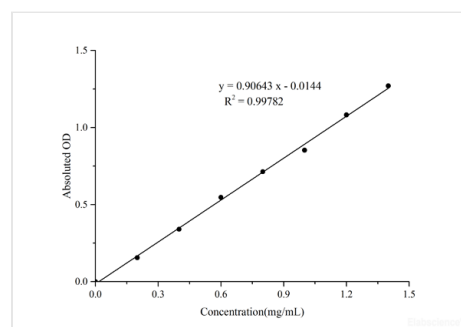
PRODUCT SPECIFICATIONS

Samples	Plant tissue samples
Detection Range	0.97-34.74 U/g tissue
Sensitivity	0.97 U/g tissue
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)



Application Data

ADDITIONAL INFORMATION

Related Product Information for beta-Amylase assay kit

Intended Uses: This kit can measure beta-Amylase activity in plant tissue samples.

Principle of the Assay: The reducing sugar reacts with 3,5-dinitrosalicylic acid under heating conditions to produce a brown-red substance. beta-amylase was inactivated by the property of amylase not to be heat-resistant, and then the enzyme activity of total amylase and alpha-amylase is determined. So the activity of beta-amylase can be calculated indirectly.

Background/Introduction: beta-Amylase is a non-metallic exo-amylase, which decomposes polysaccharide at the alpha-1,4-glycosidic bond, releasing beta-maltose and trace beta-limit dextrin. beta-Amylase is mainly distributed in higher plants and is also found in some microorganisms. In abiotic stress, the enzyme plays a key role in starch degradation, early seed germination and cell protection.

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.