

General Basic Xylanase Assay Kit

Basic Xylanase Microplate Assay Kit

CATALOG # AAA27845	REACTIVITY General	APPLICATIONS Functional Assay
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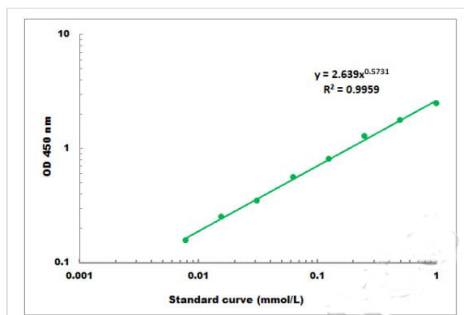
PRODUCT SYNONYMS

Basic Xylanase; Basic Xylanase Microplate Assay Kit; Basic Xylanase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Animal feeds, Enzyme preparations, Bread improver mixtures and other materials Samples
Detection Range	0.01 mmol/L - 1 mmol/L
Applicable Applications for Basic Xylanase assay kit	FA (Functional Assay)
Intra-assay Precision	Intra-assay CV(%) is less than 10%.
Inter-assay Precision	Inter-assay CV(%) is less than 15%.
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Basic Xylanase assay kit

Background: Xylanase (EC 3.2.1.8) is the name given to a class of enzymes which degrade the linear polysaccharide beta-1,4-xylan into xylose, thus breaking down hemicellulose, one of the major components of plant cell walls. As such, it plays a major role in micro-organisms thriving on plant sources for the degradation of plant matter into usable nutrients. Xylanases are produced by fungi, bacteria, yeast, marine algae, protozoans, snails, crustaceans, insect, seeds, etc., (mammals do not produce xylanases). Basic Xylanase Microplate Assay Kit provides a convenient tool for sensitive detection of Basic Xylanase activity in a variety of samples. Xylan is broken down into xylose by xylanase. Xylose is oxidised by NAD⁺ to D-xylonic acid in the presence of xylose dehydrogenase. The xylanase activity is measured by the increase in absorbance at 450 nm.

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.