

Alkaline Xylanase Activity Assay kit

Xylanase (EC 3.2.1.8) is mainly produced by microorganisms, which can catalyze the hydrolysis of xylan, also known as pentosanase or hemicellulase, which can decompose and brew or the raw material cell wall and beta-glucan in the feed industry, reduce the viscosity of the material in the brewing, promote the release of effective substances, and reduce the non-toxic content in the feed.

Starch polysaccharides promote the absorption and utilization of nutrients, so they are widely used in brewing and feed industries. Alkaline xylanase (BAX) is generally isolated. The optimum growth pH is 9-11 for microorganisms.

BAX catalyzes the degradation of xylan into reducing oligosaccharides and monosaccharides in an alkaline environment, and further reacts with 3,5-dinitrosalicylic acid under boiling water bath conditions.

Color reaction, there is a characteristic absorption peak at 540nm, the color of the reaction solution is proportional to the amount of reducing sugar produced by enzymatic hydrolysis, by measuring the absorption of the reaction solution at 540nm.

Catalog No.	250361
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	Visible spectrophotometry
Storage/Stability	2-8°C/1 year
Shipping	Gel Packs