

Alkaline Xylanase (BAX) Activity Assay Kit

Cat. No. KITF-014 Lot. No. (See product label)

SPECIFICATION

Product Overview

Xylanase (EC 3.2.1.8) is mainly produced by microorganisms and can catalyze the hydrolysis of xylan, also known as pentosanase or hemicellulase. It can decompose the cell wall of raw materials and β - glucan in brewing or feed industry. It is widely used in brewing and feed industry to reduce the viscosity of materials, promote the release of effective substances, reduce the non-starch polysaccharides in feeding, and promote the absorption and utilization of nutrients. In general, alkaline xylanase (Bax) is isolated from microorganisms with optimal growth pH of 9-11.

BAX catalyzes the degradation of xylan into reducing oligosaccharides and monosaccharides in an alkaline environment, and further develops a color reaction with 3,5-dinitrosalicylic acid in a boiling water bath. The color of the reaction solution is proportional to the amount of reducing sugar produced by the enzymatic hydrolysis. The BAX activity can be calculated by measuring the increase rate of the absorbance of the reaction solution at 540nm.

Size	100T
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Storage	Storage at 4°C
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