

Certificate of Analysis

Product Name: -amylase Assay Kit

Catalog No.: Z5030045

Shipping Condition: Room temperature

Storage Condition: 2-8°C

Shelf Life: 6 months from the date of receipt under proper storage conditions

Description

AMYLASE belongs to the family of glycoside hydrolase enzymes that break down starch into glucose molecules by acting on -1,4-glycosidic bonds. The -amylases (EC 3.2.1.1) cleave at random locations on the starch chain, ultimately yielding maltotriose and maltose, glucose and "limit dextrin" from amylose and amylopectin. In mammals, -amylase is a major digestive enzyme. Increased enzyme levels in humans are associated with salivary trauma, mumps due to inflammation of the salivary glands, pancreatitis and renal failure.

Simple, direct and automation-ready procedures for measuring -amylase activity are very desirable. Biochain's -amylase Assay uses an insoluble dye-coupled substrate amylose azure, which is cleaved by -amylase into soluble colored products. The color intensity, measured at 595 nm, is proportionate to the enzyme activity in the sample.

Components

1. One Kit
2. User Manual
3. Certificate of Analysis
4. MSDS

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

