

Certificate of Analysis

Product Name: Enzyme α -Amylase Assay Kit

Catalog No.: Z5030046

Shipping Condition: On ice

Storage Condition: Store Detection Reagent at 4°C and others at -20°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 α -1,4-glycosidic bonds. The α -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, α -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' α -amylase assay method involves two steps: (1). α -amylase in the sample hydrolyzes starch and the product is rapidly converted to glucose by α -glucosidase and hydrogen peroxide by glucose oxidase; (2). hydrogen peroxide concentration is determined with a colorimetric reagent.

Components

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

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

