

Certificate of Analysis

Product Name: β -Glucosidase Assay Kit

Catalog No.: Z5030050

Shipping Condition: Room Temperature

Storage Condition: Store all components at -20°C

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

Description

β -*GLUCOSIDASE* is a glucosidase enzyme which acts upon 1- \rightarrow 4 bonds linking two glucose or glucose-substituted molecules (i.e., the disaccharide cellobiose). β -Glucosidases are required by organisms (some fungi, bacteria, termites) for consumption of cellulose. Lysozyme is also a β -glucosidase and is present in tears to prevent bacterial infection of the eye. In humans, lower activity of a β -glucosidase isoform (lysosomal gluco-cerebrosidase) has been related to Gaucher's disease and Parkinson's disease.

Simple, direct and automation-ready procedures for measuring β -glucosidase activity are becoming popular in Research and Drug Discovery. BioChain' β -Glucosidase Assay Kit is designed to measure β -glucosidase activity directly in biological samples without pretreatment. The improved method utilizes *p*-nitrophenyl- β -D-glucopyranoside that is hydrolyzed specifically by β -glucosidase into a yellow colored product (maximal absorbance at 405nm). The rate of the reaction is directly proportional to the enzyme activity.

Components

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

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

