CREATIVE BIOMART®
Assay Kit

?-Glucosidase Assay Kit

Product Information

Cat

Kit-2504

Cat.No. Kit-2504

Product Overview

a-GLUCOSIDASE hydrolyzes the terminal, non-reducing 1,4-linked a-D-glucose residues with release of a-D-glucose. a-Glucosidase is needed by all animals to hydrolyze maltose to glucose for use as a food. Aberrant activities have been implicated in diseases such as diabetes and Pompe disease. Simple, direct and automation-ready procedures for measuring a-glucosidase activity are becoming popular in Research and Drug Discovery. a-Glucosidase Assay Kit is designed to measure a-glucosidase activity directly in biological samples without pretreatment. The improved method utilizes p-nitrophenyl-a-D-glucopyranoside that is hydrolyzed specifically by a-glucosidase into a yellow colored product (maximal absorbance at 405nm). The rate of the reaction is directly proportional to the enzyme activity.

Storage

-20°C

Shipping

RT

Size

100 tests

Detection method OD405nm

Compatible Sample Types

Biological

Features & Benefits

High sensitivity and wide linear range. Use 20 µL sample. The detection limit is 2 U/L, linear up to 250 U/L.

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Homogeneous and simple procedure. Simple "mix-and-measure" procedure allows reliable quantitation of a-glucosidase activity within 20 minutes.
Robust and amenable to HTS. All reagents are compatible with high-throughput liquid handling instruments.

Assay time
20 min
Sensitivity
2 U/L

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