

α -Glucosidase Assay Kit

Product Information

Cat

Kit-2504

Cat.No.

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Product Overview

α -GLUCOSIDASE hydrolyzes the terminal, non-reducing 1,4-linked α -D-glucose residues with release of α -D-glucose. α -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 α -glucosidase activity are becoming popular in Research and Drug Discovery. α -Glucosidase Assay Kit is designed to measure α -glucosidase activity directly in biological samples without pretreatment. The improved method utilizes p-nitrophenyl- α -D-glucopyranoside that is hydrolyzed specifically by α -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

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α -Glucosidase Assay Kit

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

Homogeneous and simple procedure. Simple "mix-and-measure" procedure allows reliable quantitation of α -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
