

## ?-Glucosidase Assay Kit

### Product Information

**Cat**

Kit-2504

**Cat.No.**

Kit-2504

### Product Overview

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

## **?-Glucosidase Assay Kit**

High sensitivity and wide linear range. Use 20  $\mu$ 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  $\alpha$ -glucosidase activity within 20 minutes.

Robust and amenable to HTS. All reagents are compatible with high-throughput liquid handling instruments.

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**Assay time**

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20 min

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**Sensitivity**

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2 U/L

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