

α-Glucosidase Assay Kit

Cat. No. Kit-2504 **Lot. No.** (See product label)

SPECIFICATION

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	High sensitivity and wide linear range. Use 20 μL sample. The detection limit is 2 U/L, linear up to 250 U/L. Homogeneous and simple procedure. Simple "mix-and-measure" procedure allows

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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

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