

General Glycogen Synthase Assay Kit

Glycogen Synthase Microplate Assay Kit

CATALOG # AAA27903	REACTIVITY General	APPLICATIONS Functional Assay
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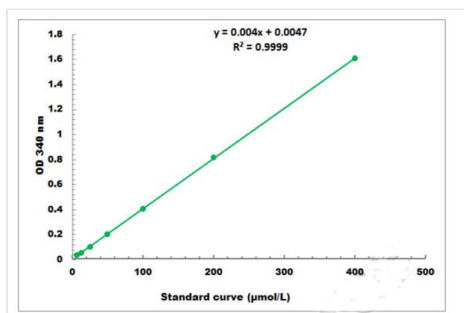
PRODUCT SYNONYMS

Glycogen Synthase; Glycogen Synthase Microplate Assay Kit; EC 2.4.1.11; DP-glucose-glycogen glucosyltransferase; glycogen (starch) synthetase; UDP-glucose-glycogen glucosyltransferase; UDP-glycogen synthase; UDPG-glycogen synthetase; UDPG-glycogen transglucosylase; uridine diphosphoglucose-glycogen glucosyltransferase; Glycogen Synthase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	4 umol/L - 400 umol/L
Applicable Applications for Glycogen Synthase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glycogen Synthase assay kit	Background: Glycogen synthase (EC 2.4.1.11) is a key enzyme in glycogenesis, the conversion of glucose into glycogen. It is a glycosyltransferase that catalyses the reaction of UDP-glucose and (1,4- α -D-glucosyl) $_n$ to yield UDP and (1,4- α -D-glucosyl) $_{n+1}$. In other words, this enzyme combines excess glucose residues one by one into a polymeric chain for storage as glycogen. Glycogen synthase concentration is highest in the bloodstream 30 to 60 minutes following intense exercise. Glycogen Synthase Microplate Assay Kit is a sensitive assay for determining Glycogen synthase activity in various samples. Glycogen synthase activity is determined by NADH decomposition rate. The reaction products can be measured at a colorimetric readout at 340 nm.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.