

General Glycogen Synthase Microplate Assay Kit

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CATALOG # AAA219750	REACTIVITY General	APPLICATIONS Functional Assay
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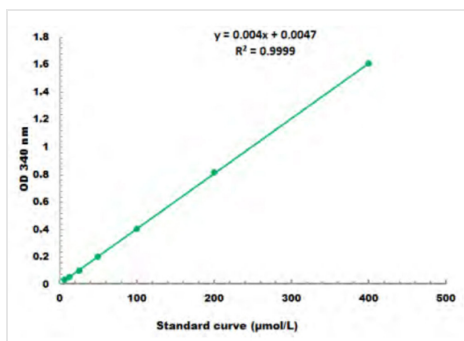
PRODUCT SYNONYMS

Glycogen Synthase Microplate; 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 Microplate 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 Microplate assay kit	FA (Functional Assay)
CAS Number	9014-56-6
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 Microplate assay kit

Principle of the Assay: 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-alpha-D-glucosyl)_n to yield UDP and (1,4-alpha-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.

Intended Uses: Detection and Quantification of Glycogen Synthase (GCS) Activity in Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples.

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.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/glycogen-synthase-microplate/219750>