

Glycogen Assay Kit

Glycogen Assay Kit (Colorimetric)

CATALOG #
AAA31546

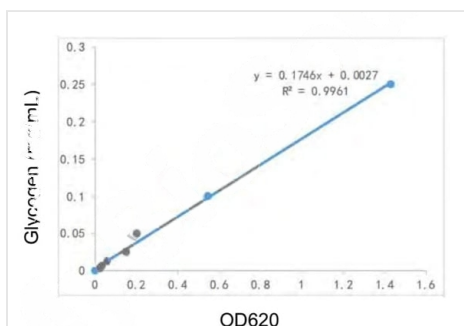
PRODUCT SYNONYMS

Glycogen; Glycogen Assay Kit (Colorimetric); Glycogen assay kit

PRODUCT SPECIFICATIONS

Samples	Animal Tissues, Bacteria, Cells
Detection Range	0.003125-0.25 mg/mL
Sensitivity	0.003125 mg/mL
Usage Notes	Do not mix the components between different batch numbers and manufacturers, otherwise, the results may be abnormal. Avoid bubbles while mixing orredissolving components. Change pipette tips frequently to avoid cross contamination between components. Ensure that all components and equipment are at the appropriate temperature before to use. In order to guarantee the accuracy of experimental results, need to do a pre-experiment with 1-2 samples.If the sample value is higher than the maximum standard value, please further dilute the sample with distilled water. Pay attention to multiply by the dilution factor when calculating the result. Extraction Buffer is corrosive, Chromogen is toxic. Please take protective measures when operating.
Preparation and Storage	The kit is valid for 12 months. Please refer to the table below Materials supplied and Storage conditions to store all the components. Shipping Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glycogen assay kit	Principle of the Assay: Glycogen is a polymer polysaccharide composed of glucose. It is one of the main storage forms of glucose. It is mainly stored in liver and muscle as reserve energy, which is called liver glycogen and muscle glycogen, respectively. Liver glycogen can regulate the concentration of blood glucose. When blood glucose rises, glycogen can be synthesized in the liver. When blood glucose decreases, liver glucose principle decomposes into glucose to supplement blood glucose. Therefore, liver glycogen is very important to maintain the relative balance of blood glucose. Muscle glycogen is the storage form of glucose in muscle. When strenuous exercise consumes a large amount of blood glucose, muscle glycogen cannot be decomposed directly into blood glucose. It was decomposed to produce lactic acid and circulate to the liver with blood. It is transformed into liver glycogen and glucose by gluconeogenesis. CheKine™ Micro Glycogen Assay Kit can detect glycogen concentration in animal tissues, bacteria and cells. The principle of kit is strong alkaline extract glycogen. under strong acidic conditions, blue compounds with anthrone chromogenic agent with characteristic absorption peak at 620 nm. In a certain concentration range, glycogen concentration is linearly related to 620 nm absorbance. According to the standard curve, the glycogen concentration in the sample can be calculated.
Product Categories/Family for Glycogen assay kit	Biochemical Assay Kit; Cell Metabolism; Cytology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/assay-kits/glycogen/31546>