

Blood Glucose Assay Kit

Blood Glucose Assay Kit (Colorimetric)

CATALOG #
AAA332514

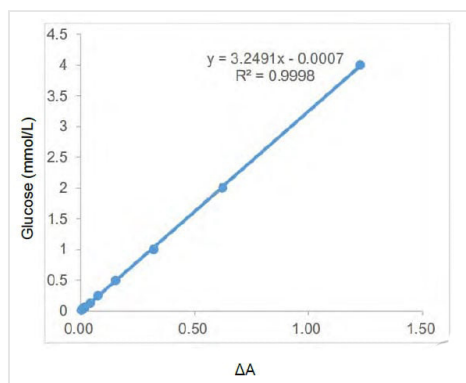
PRODUCT SYNONYMS

Blood Glucose; Blood Glucose Assay Kit (Colorimetric); Blood Glucose assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma
Detection Range	0.0625-4 mmol/L
Sensitivity	0.0156 mmol/L
Usage Notes	Do not mix the components between different batch numbers and manufacturers, otherwise, the results may be abnormal. Avoid bubbles while mixing or redissolving components. Change pipette tips frequently to avoid cross contamination between components. Ensure that all components and equipment are at the proper temperature before starting the experiment. 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. Reagent I and Reagent II has certain toxicity. 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 Blood Glucose assay kit	Principle of the Assay: Blood glucose is the main form of sugar transport in mammalian body. Blood glucose concentration is regulated by nervous system and hormones. Hyperglycemia and hypoglycemia occur when the regulation is out of balance. Diabetes, increased intracranial pressure and dehydration can cause hyperglycemia, and after meals, mental stress can cause physiological hyperglycemia. Patients with pancreatic beta-cell hyperplasia or tumors, pituitary gland, adrenal cortex and hypothyroidism, and severe liver disease all cause hypoglycemia. In addition, hunger and strenuous exercise can cause temporary hypoglycemia. Glucose level is a key test parameter for many metabolic disorders. Measurement of blood glucose can be very important in both disease research and drug discovery processes. CheKine™ Micro Blood Glucose Assay Kit is specially developed for blood sample. Glucose oxidase can catalyze the oxidation of glucose to produce gluconic acid and hydrogen peroxide; peroxidase catalyzes hydrogen peroxide oxidation of 4-aminoantipyrine coupled phenol produce colored compounds which with a characteristic absorption peak at 505 nm. Within a certain concentration range, the glucose concentration has a linear relationship with the absorbance at 505 nm. According to the standard curve, the glucose concentration in the sample can be calculated.
Product Categories/Family for Blood Glucose 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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/blood-glucose/332514>