

Total Carbohydrate Assay Kit

Total Carbohydrate Assay Kit (Colorimetric)

CATALOG #
AAA332515

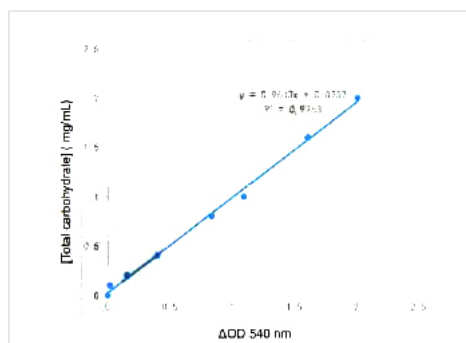
PRODUCT SYNONYMS

Total Carbohydrate; Total Carbohydrate Assay Kit (Colorimetric); Total Carbohydrate assay kit

PRODUCT SPECIFICATIONS

Samples	Plant Tissues, Animal Tissues, Serum, Plasma
Detection Range	0.1-2 mg/mL
Sensitivity	0.1 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 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. Hydrochloric Acid and Sodium Hydroxide has certain Corrosive. DNS Reagent has certain toxicity. Please take protective measures when operating. This kit cannot achieve 100% degradation of cellulose.
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 Total Carbohydrate assay kit	Principle of the Assay: Carbohydrate is one of the important components of animal and plant, and it is also the main raw material and storage substance of metabolism. Total carbohydrates mainly refer to reducing glucose, fructose, maltose, lactose, sucrose and maltose that can be hydrolyzed into reducing monosaccharides under the measurement conditions and starch that can possibly partially hydrolyzed. CheKine™ Micro Total Carbohydrate Assay Kit is specially developed for the detection of total carbohydrates in animal and plant tissues, serum (plasma) and other liquid samples. The total carbohydrates is hydrolyzed into reducing sugars. The reducing sugars are heated with DNS reagents under alkaline conditions to reduce DNS to generate amino compounds, which are reddish-brown in alkaline solution and have a characteristic absorption peak at 540 nm. Within a certain concentration range, the reducing sugar content has a linear relationship with the absorbance at 540 nm. According to the standard curve, the total Carbohydrates content in the sample can be calculated.
Product Categories/Family for Total Carbohydrate 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/total-carbohydrate/332515>