

Carbohydrate Assay Kit

Cat. No. Kit-0152 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Carbohydrate Assay Kit is a quantitative colormetric determination of carbohydrate at 490 nm.
Description	Carbohydrates play important structural as well as chemical roles in all living systems. Detection of total carbohydrates, therefore, has wide applications. Carbohydrate Assay Kit is a simple, sensitive and robust method of detecting virtually all carbohydrates. The assay is based on the phenol-sulfuric acid method. In Total Carbohydrate Assay, polysaccharides (mono, di, tri, etc.) and their derivatives, in the presence of sulfuric acid, are hydrolyzed to monomers and converted to furfural or hydroxyfurfural, which react with the Developer to form a chromogen that can be quantified by measuring the absorbance at 490 nm. The Total Carbohydrate Assay can detect most forms of carbohydrates, including simple and complex saccharides, glycans, glycoproteins and glycolipids.
Applications	Measurement of total carbohydrate in various samples.
Usage	For research use only (RUO)
Storage	Warm Assay Buffer to room temperature before use. Developer is stable at room temperature. All components are stable at 4°C.
Kit Components	Assay Buffer. Cap code: WM. 25 mLDeveloper. Cap code: brown bottle. 3 mLStandard (D-Glucose, 2 mg/mL). Cap code: yellow. 0.2 mL
Detection method	Colorimetric

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**Compatible Sample
Types**

Attached Cell, Beverage, Food Product, Plant Tissue, Suspension Cell, Tissue

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