CREATIVE BIOMART®
Assay Kit

Carbohydrate Assay Kit

Product Information

Cat.No. Kit-0152

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

Compatible Sample Types

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

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA