CREATIVE BIOMART®
Assay Kit

# Total Carbohydrate Content Assay Kit

## Product Information

**Product Overview**

Significance: Sugars are essential plant components and primary substrates and storage forms for metabolism. Total sugars include soluble mono- and disaccharides, as well as insoluble starch, cellulose, and chitin.
Principle: Acid hydrolysis releases reducing sugars, which react with DNS in NaOH and glycerol under heat to form orange-red amino compounds. Absorbance at 540 nm reflects total sugar content.

**Size**

50t/48s

**Storage**

Store at 2–8 °C. Shelf life: 6 months.

**Detection method** Spectrophotometer

**Materials Required but Not Supplied**

Visible spectrophotometer, boiling water bath, adjustable pipettes, 1 mL quartz cuvettes, mortar, distilled water.

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