CREATIVE BIOMART®
Assay Kit

Glycogen Assay Kit

Product Information

Cat

Kit-2440

Cat.No. Kit-2440

Product Overview

GLYCOGEN is a branched polysaccharide of glucose units linked by a-1,4 glycosidic bonds and a-1,6 glycosidic bonds. It is stored primarily in the liver and muscle, and forms an energy reserve that can be quickly mobilized to meet a sudden need for glucose. The most common glycogen metabolism disorder is found in diabetes, in which, due to abnormal amounts of insulin, liver glycogen can be abnormally accumulated or depleted. Genetic glycogen storage diseases have been associated with various inborn errors of metabolism caused by deficiencies of enzymes necessary for glycogen synthesis or breakdown. Simple, direct and automation-ready procedures for measuring glycogen concentrations find wide applications in research and drug discovery. glycogen assay uses a single Working Reagent that combines the enzymatic break down of glycogen and the detection of glucose in one step. The color intensity of the reaction product at 570nm or fluorescence intensity at λex/em = 530/585 nm is directly proportional to the glycogen concentration in the sample. This simple convenient assay is carried out at room temperature and takes only 30 min.

Storage

4, -20°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

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

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Biological

Features & Benefits

Use as little as 10 µL samples. Linear detection range: 2 to 200 µg/mL glycogen for colorimetric assays and 0.2 to 20 µg/mL for fluorimetric assays.

Assay time

30 min

Sensitivity

OD, FL: 2, 0.2 µg/mL

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