CREATIVE BIOMART®
Assay Kit

Fructose Assay Kit

Product Information

Cat.No. Kit-0344

Product Overview

Fructose Assay Kit is a quantitative colorimetric fructose determination at 565 nm.

Description

FRUCTOSE (C6H12O6, also called levulose or laevulose), is a monosaccharide found in honey, tree fruits, berries, melons, and some root vegetables along with glucose and galactose. The human body can use fructose for energy, however, too much consumption may lead to high triglycerides. Simple, direct and high-throughput assays for fructose determination find wide applications. Fructose Assay Kit reacts directly and specifically with fructose to form a colored product. Glucose and galactose do not interfere. The color intensity at 565nm is directly proportional to the fructose concentration in the sample.

Applications

Direct Assays: fructose in biological samples (e.g. serum, plasma, urine, saliva, milk, culture medium), food, juice, beverage and other agricultural products.Drug Discovery/Pharmacology: effects of drugs on fructose metabolism.

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life of six months after receipt.

Kit Components

Assay Buffer 10 mLEnzyme (Dried) 1 tubeEnzyme Buffer 150 μLPMS Solution 1.5 mLMTT Solution 1.5 mLStandard: 20 mM D-Fructose 400 μL

Detection method Colorimetric

Compatible Sample Types

Culture Medium, Milk, Plasma, Saliva, Serum, Urine

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Features & Benefits

Use as little as 20 μL samples. Linear detection range in 96-well plate: 12 to 1000 μM fructose.

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