

## 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 (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>, 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 mL Enzyme (Dried) 1 tube Enzyme Buffer 150 &mu;L PMS Solution 1.5 mL MTT Solution 1.5 mL Standard: 20 mM D-Fructose 400 &mu;L

**Detection method** Colorimetric

#### Compatible Sample Types



CREATIVE BIOMART<sup>®</sup>  
Assay Kit

## Fructose Assay Kit

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

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### Features & Benefits

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Use as little as 20  $\mu$ L samples. Linear detection range in 96-well plate: 12 to 1000  $\mu$ M fructose.

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