CREATIVE BIOMART®
Assay Kit

Triglyceride Quantification Colorimetric Assay Kit (384-well)

Product Information

Cat

Kit-2201

Cat.No. Kit-2201

Product Overview

Triglycerides (TGs) are the main constituent of body fat in humans and animals, as well as vegetable fat. TGs are found as a natural component in human's blood circulatory system. TGs are composed of one molecule of glycerol and 3 molecules of fatty acids. The metabolism of cholesterol generates fatty acids and glycerol, and both can serve as substrates in metabolic pathways to produce energy. Excess TGs can remain in the body as fatty deposits and that may lead to obesity.;Elevated triglyceride levels also increase the risk for heart disease, strokes, and type 2 diabetes. Triglyceride Quantification Kit provides a sensitive, easy assay to measure TG concentration in a variety of samples. In the assay, TGs are converted to free fatty acids and glycerol. The released glycerol is then oxidized to generate a product which reacts with a probe to generate a color that can be detected by a spectrophotometer at λ = 590 nm. The method is quantitative, rapid, simple, sensitive, and designed for high throughput format. The kit provides a convenient means for detecting 0.5 to 5 mM Triglycerides in biological samples.

Applications

Measure LDH activity in biological samples. Screen and characterize compounds that influence lactate metabolism.

Storage

-20°C

Shipping

Gel Pack

Size

400 assays

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Kit Components

Triglyceride Assay Buffer; Triglyceride Probe (in DMSO, anhydrous); Lipase (lyophilized); Triglyceride Enzyme Mix (lyophilized); Triglyceride Standard (1 mM)

Target Species

Mammalians

Detection method Absorbance (590 nm)

Features & Benefits

Simple procedure; takes ~ less than 40 minutes;
Fast and convenient

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