CREATIVE BIOMART®
Assay Kit

Free Fatty Acid Colorimetric Assay Kit (384-well)

Product Information

Cat

Kit-1102

Cat.No. Kit-1102

Description

Fatty Acids play important roles in normal metabolism and in many disease states. They are precursors to a number of bioactive classes of compounds including prostaglandins and leukotrienes, and have been implicated to play roles in such diverse functions as the immune system, autism, and the inflammatory response. Fatty acid levels are an important measure of the physiologic state.High levels are associated with diabetes mellitus, obesity, endocrine dysfunctions, and metabolic syndrome. Free Fatty Acid Colorimetric assay kit provides a simple method for the quantification free fatty acids. The kit offers a convenient, sensitive, enzyme-based method for the detection of long-chain (C-8 (octanoate) and longer) fatty acids in various biological samples. In the assay, fatty acids are converted to their CoA derivatives, which are subsequently oxidized by the enzyme mix to yield an intermediate. Formed intermediate then reacts with the Free Fatty acid probe to generate color which can be read by a spectrophotometer at OD 570 nm. Our 384-well format enables analyses of large number of samples on a single plate in a high throughput mode. Sample volumes between 1 and 10 μl can be used with this kit.

Applications

The kit has can detect physiological concentration of Free Fatty Acids in samples

Storage

-20°C

Shipping

Gel Pack

Size

400 assays

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

CREATIVE BIOMART®
Assay Kit

Free Fatty Acid Colorimetric Assay Kit (384-well)

Kit Components

Fatty Acid Assay Buffer; Fatty Acid Probe (in DMSO, anhydrous); ACS Reagent (lyophilized); Enzyme Mix (lyophilized); Enhancer; Palmitic Acid Standard (1nmol/μl)

Target Species

Mammalian

Detection method Absorbance (570 nm)

Features & Benefits

Simple procedure; takes ~40 minutes;
Fast and convenient;
Kit contains all necessary reagents for rapid, sensitive and accurate measurement of Adipolysis in cell culture samples

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