CREATIVE BIOMART®
Assay Kit

Free Glycerol Fluorometric Assay Kit

Product Information

Cat

Kit-2248

Cat.No. Kit-2248

Product Overview

Glycerol is a central component for synthesis of all lipids; it acts as a backbone for triglycerides and phospholipids, which plays an important role for cell membrane's structure. Due to its low toxicity, glycerol is widely used in pharmaceutical, food and cosmetic industries. Free Glycerol Fluorometric Assay kit is simple, sensitive and easy to use. This assay is suitable for measuring trace amount of glycerol in samples, which contain reducing substances that may interfere with oxidase-based assays. In the assay, glycerol reacts with Enzyme Mix to form an intermediate, which is subsequently oxidized with the production of fluorescence. The fluorescence intensity is directly proportional to the amount of glycerol. This assay kit can detect glycerol amount less than 40 pmol.

Applications

Measurement of glycerol in various tissues/cells.
Analysis of lipid metabolismMechanistic study of cardiovascular diseases.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Glycerol Assy Buffer; (in DMSO); Glycerol Enzyme Mix (Lyophilized); Glycerol Developer (Lyophilized); Glycerol Standard (100 mM)

Detection method Fluorescence (Ex/Em = 535/587 nm)

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Features & Benefits

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