

Free Glycerol Fluorometric Assay Kit

Cat. No. Kit-2248 **Lot. No.** (See product label)

SPECIFICATION

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 metabolism Mechanistic 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

Simple, highly sensitive, and easy to use.; This assay kit can detect glycerol amount less than 40 pmol.

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