CREATIVE BIOMART®
Assay Kit

Cell Viability Green Fluorescence Assay Kit

Product Information

Cat.No. Kit-0200

Product Overview

Cell Viability Assay Kit (Green Fluorescence) is a fluorescent assay used to label cells for fluorescence microplate and microscopic investigations of cellular functions.

Description

There are a variety of parameters that can be used to monitor cell viability. The proprietary green fluorescent dye used in the kit is a hydrophobic compound. It easily permeates intact live cells and gets enhanced fluorescence upon entering into live cells. The hydrolysis of the non-fluorescent substrate by intracellular esterases generates a strongly green fluorescent hydrophilic product that is well-retained in the cell cytoplasm. The green fluorophore generated by the non-fluorescent substrate used in the kit has the spectral properties of fluorescein at Ex/Em = ~490 nm/520 nm. When well excited with the Argon Laser at 488 nm, the fluoreophore emits intense green fluorescence at ~520 nm.

Applications

The kit provides all the essential components with an optimized cell-labeling protocol for fluorescence microplate assays.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C and avoid from light.

Kit Components

Component A: CytoCalcein Green (lyophilized) 5 vialsComponent B: DMSO 200 μLComponent C: Assay Buffer 50 mL

Detection method Fluorometric

Compatible Sample Types

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Cells

Features & Benefits

Robust: Higher maximum signal with lower variation across the plate.Convenient: Formulated to have minimal hands-on time.Rapid Dye Loading: Dye loading at RT for 30 min to 1 hr.Versatile Applications: Compatible with many cell lines and targets.

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