

Cell Viability Green Fluorescence Assay Kit

Cat. No. Kit-0200 **Lot. No.** (See product label)

SPECIFICATION

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 fluorophore 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 vials
Component B: DMSO 200 µL
Component C: Assay Buffer 50 mL

Detection method

Fluorometric

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**Compatible Sample
Types**

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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