CREATIVE BIOMART®
Assay Kit

Live Cell Labeling Fluorimetric Kit (Green)

Product Information

Cat.No. Kit-2048

Product Overview

The Live Cell Labeling Kit is designed to uniformly label live cells in green fluorescence. The kit uses nonfluorescent Calcein Green that becomes strongly fluorescent upon entering into live cells. Calcein Green is a hydrophobic compound that easily permeates intact live cells. The hydrolysis of the non-fluorescent Calcein Green by intracellular esterases generates the strongly fluorescent hydrophilic calcein that is well-retained in the cell cytoplasm. Cells grown on black wall/clear bottom plates or slides can be stained and quantified in less than two hours. This Live Cell labeling kit can be readily adapted for a wide variety of fluorescence platforms such as microplate assays, flow cytometry and fluorescence microscope. It is useful for a variety of studies, including cell adhesion, chemotaxis, multidrug resistance, cell viability, apoptosis and cytotoxicity. The kit provides all the essential components with an optimized cell-labeling protocol (Ex/Em=490/525), and can be used for both proliferating and non-proliferating cells (either suspension or adherent cells).

Size

10 plates (96-well)

Description

The Live Cell Labeling Kits are a set of tools which can be used to label cells for fluorescence microscopic and flow cytometric investigations of cellular functions. The effective labeling of cells provides a powerful method for studying cellular events in a spatial and temporal context.

Applications

It can be readily adapted for a wide variety of fluorescence platforms such as microplate assays, flow cytometry and fluorescence microscope. It is useful for a variety of studies, including cell adhesion, chemotaxis, multidrug resistance, cell viability, apoptosis and cytotoxicity.

Storage

Keep in freezer (-20°C) and avoid exposure to light.

Kit Components

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

Live Cell Labeling Fluorimetric Kit (Green)

Component A: Calcein Green 1 vialComponent B: 10x Assay Buffer 10 bottle (1 ml/bottle)Component C: HHBS (Hanks" buffer with 20 mM Hepes) 1 bottle (100 ml)

Detection method Fluorescence microscope

Features & Benefits

Formulated to have minimal hands-on time. It can be applied to a broad spectrum of samples and easily adapted to automation without a separation step.

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