



## 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 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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Assay Kit

## Cell Viability Green Fluorescence Assay Kit

### Compatible Sample Types

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Cells

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### Features & Benefits

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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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Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.org](mailto:info@creative-biomart.org)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA