CREATIVE BIOMART®
Assay Kit

Calcein AM Cell Viability Assay Kit (Fluorometric)

Product Information

Cat

Kit-1114

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Description

Quantification of number of viable cells is an indispensible tool in Cell Biology research. Calcein AM Cell Viability Assay Kit is a fluorometric method for extremely sensitive quantification of viable cells that can detect as low as 50 viable cells in less than 30 min. Calcein AM is a non-fluorescent, hydrophobic compound that easily penetrates intact and; Live cells. Hydrolysis of Calcein AM by intracellular esterase produces a hydrophilic, strongly fluorescent compound that is retained in the cell cytoplasm and can be measured at Ex/Em = 485/530 nm. The measured fluorescence intensity is proportional to the number of viable cells. This assay kit provides an easy-to-use, non-radioactive, and high-throughput method for cell proliferation, cell viability, chemotaxis, cytotoxicity and apoptosis.

Applications

Measurement of cell proliferation in response to growth factors, cytokines, mitogens and nutrients
Analysis of cytotoxic and cytostatic compounds such as anticancer drugs, toxic agents and other pharmaceuticals
Assessment of physiological mediators and antibodies that affect cell growth.

Storage

-20°C

Shipping

Gel Pack

Size

1000 assays

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

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Assay Kit

Calcein AM Cell Viability Assay Kit (Fluorometric)

Calcein AM; Calcein Dilution Buffer

Detection method Fluorescence (Ex/Em = 485/530 nm)

Features & Benefits

Convenient & non-radioactive;
High-throughput;
Highly-sensitive: detect as low as 50 viable cells in less than 30 min.
Suitable for cell proliferation, cell viability, chemotaxis, cytotoxicity and apoptosis

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