CREATIVE BIOMART®
Assay Kit

Live/Dead Cell Viability Assay Kit (for Mammalian Cells)

Product Information

Cat

Kit-1014

Common Name

Cell

Cat.No. Kit-1014

Description

Quantification of number of live and dead cells is an indispensable tool in cell biology research. Live/Dead Cell Viability Assay Kit, provides a two-color fluorescence method that is based on the simultaneous determination of live and dead cells using two different dyes. Live cell dye easily penetrates intact,; Live cells and intracellular esterase hydrolyzes the dye to produce a hydrophilic, strongly fluorescent compound that is retained in the cell cytoplasm which can be measured at Ex/Em = 485/530 nm. Dead cell dye enters damaged cell membranes and undergoes a 40-fold enhancement of fluorescence upon binding to nucleic acid, thereby producing a bright red fluorescence (Ex/Em = 495/635 nm) in dead cells. This assay kit provides an easy-to-use, non-radioactive, histological and FACS-based method for measuring cell proliferation, cell viability, chemotaxis, cytotoxicity and apoptosis.

Applications

Screening/studying/characterization of stimulators/inhibitors that affect cell viability.

Storage

-20°C

Shipping

Gel Pack

Size

100 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 Buffer; Live Cell Staining Dye; Dead Cell Staining Dye

Target Species	
Mammalian	
Detection method	Fluorescent microscopy or FACS analysis (Ex/Em485/530 nm) to detect stained live cells; (Ex/Em 495/635) to detect stained dead cells

Features & Benefits

Easy to use Protocol
Non-radioactive detection. Detect using either microscopy or FACS.
Measure Cell Proliferation, cell viability, chemotaxis, cytotoxicity and apoptosis

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