

For Research Use Only.

# Viability/Cytotoxicity Assay Kit for Animal Live & Dead Cells (Calcein AM, PI Method)

Catalog Number:PF00007



## Description

Viability/Cytotoxicity Assay Kit for Animal Live & Dead Cells (Calcein AM, PI method) provides dual fluorescence staining for the detection of living and dead cells. The two probes in the kit reflect cell viability by measuring intracellular esterase activity and plasma membrane integrity. This kit can be used for fluorescence microscopes, flow cytometers, microplate readers and other fluorescence detection systems.

This kit can be used for most eukaryotic mammalian samples, but not to fungi and yeast.

## Product Information

Components	150T	300T
A. Calcein AM (4 mM in anhydrous DMSO)	50 µL	100 µL
B. Propidium (PI) (1.5 mM in H <sub>2</sub> O)	250 µL	500 µL

Note: The number of times(T) of this kit is specified according to the usage of 0.5mL working solution for one sample of flow cytometry.

## Package

150T/300T

## Storage

Store at -20°C. Avoid exposure to light. Stable for 24 months after shipment.

## Parameters

CalceinAM Ex/Em=494/517nm

PI: Ex/Em=535/617nm (with DNA)

## Cautions

1. Fluorescent dyes all have quenching problems.
2. For your safety and health, please wear lab coats and disposable gloves for operation.

For technical support and original validation data for this product please contact:

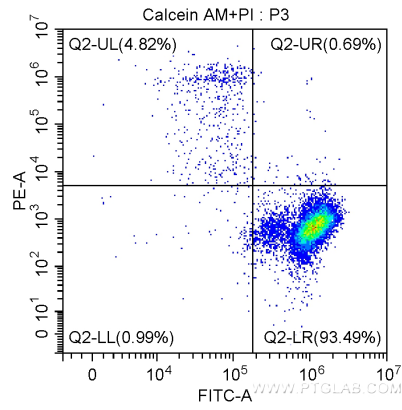
T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Validation Data

Flow Cytometry results of Jurkat cells using Calcein AM, PI method



Q2-UL Cell Group with Calcein AM -, EthD-I + (dead cells)

Q2-LL Cell Group with Calcein AM-, PI - (cell debris)

Q2-LR Cell Group with Calcein AM +, E PI - (live cells).

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