

# 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 effect 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 uL	100 uL
B. Propidium (PI) (1.5 mM in H <sub>2</sub> O)	250 uL	500 uL

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.

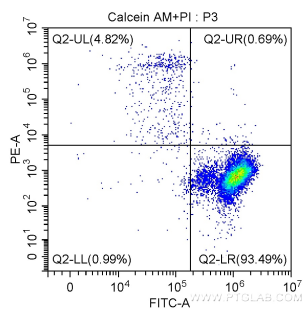
## Parameters

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.

Validation Data



**Flow Cytometry results of Jurkat cells using Calcein AM, PI method:** Q2-UL Cell Group with Calcein AM -, EthD-I + (dead cells) <br>Q2-LL Cell Group with Calcein AM-, PI - (cell debris) <br>Q2-LR Cell Group with Calcein AM +, E PI - (live cells). <br>