

## Calcein AM/PI Mammalian Cell Viability Assay Kit

Catalogue No.: abx295119

Calcein AM/PI Cell Viability Assay Kit is an assay kit for the differentiation of living and dead mammalian cells with esterase activity. A cell-permeable non-fluorescent fluorescein (Calcein AM) is catalysed by cytosolic esterase to produce the cell-impermeable green fluorescent probe Calcein. Dead cells show limited esterase activity, and so do not strongly produce Calcein. Following cell death, selective membrane permeability is lost, and the red fluorescent probe Propidium Iodide can enter cells to bind duplex DNA. Living cells show green fluorescence, and dead cells show red fluorescence.

**Target:** Cell Division**Reactivity:** General**Excitation/Emission:** Calcein: 494/517  
Propidium Iodide: 535/617**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.**Validity:** The validity for this kit is 12 months.**Detection Method:** Fluorometric**Sample Type:** Cell samples.**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.