

## PRODUCT DATA SHEET

### JC-1 Mitochondrial Membrane Potential™ In Situ Detection of Mitochondrial Potential

#### Description

Mitochondrial Membrane Potential detection kit provides an early indication of the initiation of cellular apoptosis. This process is typically defined as the collapse in the electrochemical gradient across the mitochondrial membrane, as measured by the change in the membrane potential. The insertion and oligomerization of proapoptotic proteins BID, BAK, BAX or BAD create pores which could dissipate the trans-mem-brane potential and release cytochrome c into the cytoplasm.

#### Product Specifications

##### Kit Components:

1. JC-1 Reagent (Part # 4001)
2. 10X Wash Buffer (Part # 3002)

Application: Fluorescence Microscope, Fluorescence plate reader  
Shipping: SHIPPED ON BLUE ICE  
Long Term Storage: Store contents as labeled  
Upon Arrival: 2-8 °C

#### Catalog Number/Sizes

Catalog #	Size (tests)
JC100	100

Rev.: 03/2011

**FOR RESEARCH USE ONLY.**