



# NIR Mitochondrial Membrane Potential Assay Kit II

## Product Information

### Cat.No.

Kit-0626

### Product Overview

NIR Mitochondrial Membrane Potential Assay Kit is a fluorescent assay used to detect cell apoptosis by monitoring the loss of mitochondrial membrane potential with microplate readers.

### Description

There are a variety of parameters that can be used. This particular kit is designed to detect cell apoptosis by measuring the loss of the mitochondrial membrane potential (MMP). The collapse of mitochondrial membrane potential coincides with the opening of the mitochondrial permeability transition pores, leading to the release of cytochrome C into the cytosol, which in turn triggers other downstream events in the apoptotic cascade.

### Applications

This kit is a set of tools for monitoring cellular functions.

### Usage

For research use only (RUO)

### Storage

Store the kit at -20°C and avoid from light.

### Kit Components

Component A: 200X MitoLite NIR in DMSO 250  $\mu$ L  
Component B: Assay Buffer A 50 mL  
Component C: Assay Buffer B 25 mL

**Detection method** Fluorometric

### Compatible Sample Types

Adherent cells, Non-adherent cells