



Membrane Potential Assay Kit (Red Fluorescence)

Product Information

Cat.No.

Kit-0548

Product Overview

Membrane Potential Assay Kit (Red Fluorescence) is used for the measurement of membrane potential.

Description

Membrane potential is the difference in voltage between the interior and exterior of a cell. The membrane potential allows a cell to function as a battery, providing power to operate a variety of "molecular devices" embedded in the membrane. In electrically excitable cells such as neurons, membrane potential is used for transmitting signals between different parts of a cell. Opening or closing of ion channels at one point in the membrane produces a local change in the membrane potential, which causes electric current to flow rapidly to other points in the membrane. Ion channels have been identified as important drug discovery targets.

Usage

For research use only (RUO)

Storage

Keep in freezer Protect from moisture and light Avoid repeated freeze-thaw cycles

Kit Components

Component A: 10X MP Sensor 1 ml Component B: HHBS (Hanks" buffer with 20 mM Hepes) 9 ml

Detection method Fluorometric

Compatible Sample Types

Live Cells