CREATIVE BIOMART®
Assay Kit

# 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 freezerProtect from moisture and lightAvoid repeated freeze-thaw cycles

**Kit Components**

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

**Detection method** Fluorometric

**Compatible Sample Types**

Live Cells

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