Membrane Potential Assay Kit (Red Fluorescence)

Cat. No. Kit-0548 **Lot. No.** (See product label)

SPECIFICATION

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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