CREATIVE BIOMART®
Assay Kit

Oxygen Consumption/MitoMembrane Potential Dual Assay Kit

Product Information

Cat.No.	Kit-1993

Size

96 wells

Description

The Oxygen Consumption/Mitochondrial Membrane Potential Dual Assay Kit is a multiplex assay designed to provide a comprehensive picture of mitochondrial performance in living cells. This assay simultaneously measures both oxygen consumption rate and mitochondrial membrane potential by utilizing, a phosphorescent oxygen probe, and the cationic dye, JC-1. Antimycin A, an inhibitor of the mitochondrial electron transport chain, is included to be used as a positive control. Additionally, glucose oxidase is provided as a reference for oxygen depletion. This easy-to-use kit can be adapted for high throughput screening of compounds that modulate mitochondrial function.

Storage

-20°C

Kit Components

MitoXpress - Xtra: 1 vial; 4°CHS Mineral Oil Assay Reagent: 1 vial/15 ml; RT in the darkCell-Based Assay Glucose Oxidase: 1 vial/2 mg; -20°CCell-Based Assay Antimycin A: 1 vial/200 μl; -20°CJC-1 Reagent: 1 vial/500 μl; -20°C

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