

# Oxygen Consumption/MitoMembrane Potential Dual Assay Kit

Cat. No. Kit-1993    Lot. No. (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Size</b>           | 96 wells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>    | <p>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.</p> |
| <b>Storage</b>        | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Kit Components</b> | <p>MitoXpress - Xtra: 1 vial; 4°C<br/>CHS Mineral Oil Assay Reagent: 1 vial/15 ml; RT in the dark<br/>Cell-Based Assay Glucose Oxidase: 1 vial/2 mg; -20°C<br/>Cell-Based Assay Antimycin A: 1 vial/200 µl; -20°C<br/>JC-1 Reagent: 1 vial/500 µl; -20°C</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA