

# Cell Cytotoxicity Fluorometric Assay Kit

**Cat. No.** Kit-0196    **Lot. No.** (See product label)

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b>        | Cell Cytotoxicity Assay Kit (Fluorometric) is a non-radioactive and no-wash method assay suitable for high throughput screening of cell proliferation or cytotoxicity against a variety of compounds.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>             | The measurement of mitochondrial dehydrogenases (e.g. LDH) activity is a well-accepted assay to quantify cell numbers and monitor cell viability. Our Cell Cytotoxicity Assay Kit (Fluorometric) provides a fast, simple, accurate and homogeneous assay for the colorimetric or fluorimetric detection of viable cells. This assay is based on the observation that oxidized non-fluorescent blue resazurin is reduced to a red fluorescent dye (resorufin) by accepting an electron from mitochondrial respiratory chain in live cells. The amount of resorufin produced is directly proportional to the number of living cells. |
| <b>Applications</b>            | This Cell Cytotoxicity Assay Kit (Fluorometric) is more sensitive for cell proliferation and cytotoxicity than other assays such as MTT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                 | Keep in freezer and protect from light.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Kit Components</b>          | Component A: Assay Solution 20 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Compatible Sample Types</b> | Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Features &amp; Benefits</b> | Non-Radioactive: No special requirements for waste treatment. Continuous: Easily adapted to automation without mixing or separation. Convenient: Formulated to have                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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minimal hands-on time. Wide Applications: Cell proliferation and cytotoxicity. Sensitive  
And Accurate: As low as 100 cells can be accurately quantified. Enhanced Value:  
Less expensive than the sum of individual components.

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