**ApoTox-Glo™ Triplex Assay**

Determine Mechanism of Cell Death

*measure live cells, dead cells plus apoptotic cells in the same well*

ApoTox-Glo Triplex Assay defines:
- Apoptotic cell death
- Necrotic cell death
- Cytostasis

**Protocol:**
- ApoTox-Glo™ Triplex Assay Technical Manual TM322

**Promega Publications:**
- Determining the Predictive Mechanism of Toxicity Using a Single-Well Multiplexed Assay
- Multiplexing Cell-Based Assays: Get More Biologically Relevant Data

**Promega external publications:**

**Recent citations:**

**Product** | **Cat. #** | **Size**
---|---|---
ApoTox-Glo™ Triplex Assay | G6320 | 10ml
| G6321 | 5 x 10ml

ApoTox-Glo is a trademark and Caspase-Glo is a registered trademark of Promega Corporation. Products may be covered by existing or pending patents. Please visit www.promega.com for more information.
ApoLive-Glo™ Multiplex Assay

Determine Mechanism of Cell Death
*measure live cells plus apoptotic cells in the same well*

1. Apoptosis
   - ProCaspase-3
   - Caspase-3
   - Live-Cell Protease

2. Necrosis
   - Viable Cell
   - Apoptotic Cell
   - Necrotic Cell

ApoLive-Glo Multiplex Assay defines:
- Apoptotic cell death
- Necrotic cell death

Protocol:

Promega Publications:
- Determining the Predictive Mechanism of Toxicity Using a Single-Well Multiplexed Assay
- Multiplexing Cell-Based Assays: Get More Biologically Relevant Data

Promega external publications:

Recent citations:

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<th>Cat. #</th>
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<tr>
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ApoLive-Glo and UltraGlo are trademarks and Caspase-Glo is a registered trademark of Promega Corporation. Products may be covered by existing or pending patents. Please visit www.promega.com for more information.
**MultiTox-Fluor Multiplex Cytotoxicity Assay**

**Fluorescent Multiplex Cytotoxicity Assay**

*understand events in the context of live/dead cells*

Incorporate upstream of your lytic bioluminescent assay to normalize data to ratio of live/dead cell number

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<td>MultiTox-Fluor Multiplex Cytotoxicity Assay</td>
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<td>G9202</td>
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**Protocol:**

**Promega Publications:**
- Using protease biomarkers to measure viability and cytotoxicity.
- Measuring cell health and viability sequentially by same-well multiplexing using the GloMax®-Multi Detection System.

**Promega external publications:**

**Recent citations:**
**CellTiter-Fluor™ Cell Viability Assay**

**Fluorescent Cell Viability Assay**
understand events in the context of cell viability

**Protocol:**

**Promega Publications:**
- Using protease biomarkers to measure viability and cytotoxicity.
- Measuring cell health and viability sequentially by same-well multiplexing using the GloMax®-Multi Detection System.

**Promega external publications:**

**Recent citations:**

**Incorporate upstream of your lytic bioluminescent assay to normalize data to live cell number**

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<td>CellTiter-Fluor™ Cell Viability Assay</td>
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Bright-Glo, CellTiter-Fluor, CytoTox-Glo, GSH-Glo and P450-Glo are trademarks; Caspase-Glo, Dual-Glo and Steady-Glo are registered trademark of Promega Corporation. Products may be covered by existing or pending patents. Please visit www.promega.com for more information.
CytoTox-Fluor™ Cytotoxicity Assay

Fluorescent Cytotoxicity Assay
understand events in the context of cytotoxicity

Protocol:
- CytoTox-Fluor™ Cell Viability Assay Technical Bulletin TB350

Promega Publications:
- Using protease biomarkers to measure viability and cytotoxicity.
- Measuring cell health and viability sequentially by same-well multiplexing using the GloMax®-Multi Detection System.

Promega external publications:

Recent citations:

Incorporate upstream of your lytic bioluminescent assay to normalize data to dead cell number

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## Multiplexing Compatibilities

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<th>Downstream Assay</th>
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<th>CytoTox-Fluor™ Cytotoxicity Assay</th>
<th>MultiTox-Fluor Multiplex Cytotoxicity Assay</th>
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<td>ONE-Glo™ Luciferase Assay System</td>
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<td>Steady-Glo® Luciferase Assay System</td>
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<td>Renilla-Glo™ Luciferase Assay System</td>
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<td>P450-Glo™ Cell-Based Assays</td>
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<td>CellTiter-Glo® Luminescent Cell Viability Assay</td>
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<td>Mitochondrial ToxGlo™ Assay</td>
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<td>CytoTox-ONE™ Cytotoxicity Assay*</td>
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</tbody>
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*Fluorescent assays

✓ Fluor compatibility

✗ Fluor incompatibility
Questions?

Technical Services
Monday-Friday, 7am-6pm Central
(800) 356-9526
technicalsupport@promega.com
Live Chat available at www.promega.com