Plate-Based Assay Methods for the Assessment of Cellular Health
Featured Product Resources

Product	Cat #	Protocol	Promega Resource	Example citation
CellTiter-Fluor™ Cell Viability Assay	G6080	TB371	Multiplexing Cell-Based Assays: Get More Biologically Relevant Data	Ying, W., et al. (2012) Ganetespib, a unique triazolone-containing Hsp90 inhibitor, exhibits potent antitumor activity and a superior safety profile for cancer therapy. *Mol. Cancer Ther.* **11**, 475-484. Pub Med ID:22144665
CytoTox-Fluor™ Cytotoxicity Assay	G9260	TB350		Matsuzaki, S., et al. (2012) Impact of intraperitoneal pressure of a CO_2 pneumoperitoneum on the surgical peritoneal environment. *Hum. Reprod.* Mar 27. Epub ahead of print. PubMed ID: 22454461
MultiTox-Fluor Multiplex Cytotoxicity Assay	G9200	TB348	Using protease biomarkers to measure viability and cytotoxicity	Kim, W., et al. (2012) Cannabanoids induce pancreatic β-cell death by directly inhibiting insulin receptor activation. *Sci. Signal.* **5**, ra23. PubMed ID: 22434934
Caspase-Glo® 3/7 Assay	G8091	TB323	Correlation of Caspase Activity and ChemoResponse in Epithelial Ovarian Cancer Cell Lines	Garimella, S.V., et al. (2012) WEE1 inhibition sensitizes basal breast cancer cells to TRAIL-induced apoptosis. Mol. Cancer Res. 10, 75-85. PubMed ID:22112940
ApoTox-Glo™ Triplex Assay	G6320	TM322	Cell health using an iPS cardiomyocyte cell model.	Goldberg, M.S. and Sharp, P.A. (2012) Pyruvate kinase M2-specific siRNA induces apotosis and tumor regression. *J. Exp. Med.* **209**, 217-224. PubMed ID: 22271574
Links in this section go to promega.com				Links in this section go to pubmed.gov

Product not yet released

CellTox™ Green – A non-toxic DNA binding dye for measuring dead cells.
Please ask your local Promega representative to notify you when the product is available in the online catalog.

Plate-Based Assay Methods for the Assessment of Cellular Health Product Resources

Promega External Publications:

Riss, T.L., Moravec, R.A. and Niles, A.L. (2011) Cytotoxicity testing: Measuring viable cells, dead cells, and detecting mechanism of cell death. *Methods Mol. Biol.* **740**, 103-14.
PubMed ID: 21468972

Niles, A.L., Moravec, R.A. and Riss, T.L. (2009) In vitro viability and cytotoxicity testing and same-well multi-parametric combinations for high-throughput screening. *Curr. Chem. Genomics* **3**, 33-41.
PubMed ID: 20161834

Niles, A.L., Moravec, R.A. and Riss, T.L. (2008) Multiplex caspase activity and cytotocity assays. *Methods Mol. Biol.* **414**, 151-162.
PubMed ID: 18175818

Niles, A.L., et al. (2007) A homogeneous assay to measure live and dead cells in the same sample by detecting different protease markers. *Anal. Biochem.* **366**, 197-206.
PubMed ID: 17512890

Promega Publications:

Arduengo, M. **Considerations for successful cell based assays I: Choosing your cells.**
Promega Connections Blog Web site.
http://promega.wordpress.com/2011/12/05/considerations-for-successful-cell-based-assays-i-choosing-your-cells/
Updated 2011. Accessed April 2012.

Arduengo, M. **Considerations for successful cell based assays II: Cell culture conditions.**
Promega Connections Blog Web site.
http://promega.wordpress.com/2012/01/11/considerations-for-successful-cell-based-assays-ii-cell-culture-conditions/
Updated 2012. Accessed April 2012.

Sundquist, T., Moravec, R, Nile, A., O'Brien, M and Riss, T. **Timing Your Apoptosis Assay.**
Promega Corporation Web site.
http://www.promega.com/resources/articles/pubhub/cellnotes/timing-your-apoptosis-assays/ Updated 2006. Accessed April, 2012.

Zakowicz, H., Schagat, T., Yoder, D. and Niles, A. **Measuring Cell Health and Viability Sequentially by Same-Well Multiplexing using the GloMax® Multi Detection System.**
Promega Corporation Web site.
http://www.promega.com/resources/articles/pubhub/promega-notes-2008/measuring-cell-health-and-viability-sequentially-by-same-well-multiplexing-with-glomax-multi-system/ Updated 2008. Accessed April 2012.

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Questions?

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