New Products: Toxicology

**CELL AND BIOCHEMICAL ASSAY DETECTION**

GloMax Discover is an integrated multimode detection plate reader system that offers scientists an integrated system to easily study cell signaling and metabolism, while monitoring cell viability, apoptosis, and cytotoxicity, or to study gene expression with a wide variety of reporter assays. The system offers a broad dynamic range for both strong and weak bioluminescence experimental samples, superior luminescence sensitivity and low well-to-well cross talk, enabling users to generate more usable data from each experiment. GloMax Discover provides flexible use of filters for fluorescence intensity, BRET, FRET, filtered luminescence, and ultraviolet-visible absorbance measurements as well as seamless integration with industry-leading bioluminescent assays from Promega. The GloMax Discover software was developed with the goal of designing elegant, easy-to-use, and high-performance systems in mind. The software provides quick and easy navigation through the control options, preloaded assay protocols, and drag-and-drop protocol customization.

**Promega**

For info: 608-274-4330 | www.promega.com/discover

**LABORATORY INFORMATION MANAGEMENT SYSTEMS**

The new Laboratory Information Management Systems (LIMS) software is specifically designed for laboratories providing drug screening. The LIMSABC software provides LIMS users with options that have never been available before in labs. With this cloud LIMS, users can track point of care test results, prescribed medications, and create reports as well as manage clients, patients, and projects in addition to many other things. This is the first cloud LIMS available that will handle all of the tasks necessary for running and maintaining an efficient and state-of-the-art toxicology laboratory. The ability to efficiently test and document drug screening results is important in the lab; however, it is equally important to be able to e-mail, text, fax, and have the reports available online as soon as possible for the client. This immediate access to data is not only important for the toxicology lab’s clients, but also essential in boosting the reputation of the lab for having the ability to provide reliable results and findings quickly and efficiently.

**LIMSABC**

For info: 800-834-8618 | www.limsabc.com

**GPCR PROTEIN DETECTION**

The ClonePix 2 System is proven effective for rapidly assessing endogenous G-protein-coupled receptor (GPCR) target protein expression levels in mammalian cell lines and selecting high-expressing clones. Unlike conventional methods and assays that have significant sensitivity and throughput limitations, the ClonePix 2 System provides a unique solution to identify and select a wide range of expression levels of endogenous GPCRs in situ. The ClonePix 2 System offers the necessary sensitivity to detect endogenous levels of protein limited to cell surface expression by utilizing robust white light and fluorescent imaging, followed by rapid selection of high expressing clones. This technology platform enables high throughput screening and picking of up to 10,000 mammalian clones in three weeks. The ClonePix 2 System thereby maximizes workflow efficiency and increases the probability of finding high-quality GPCR-expressing cells.

**Molecular Devices**

For info: 800-635-5577 | www.moleculardevices.com/clonepix

**TRANSFECTION REAGENT**

Lipofectamine 3000 is the company’s most efficient and versatile transfection reagent for nucleic acid delivery in the broadest spectrum of cell lines. The product increases efficiency up to 10-fold in difficult-to-transfect cells, which is key for researchers working with more biologically relevant cell models. Its superior transfection efficiency, coupled with the reduction of cytotoxicity-associated cell alteration, provides consistent results and more significant experiments. Working with biologically relevant cell models provides researchers with more meaningful answers to their research questions. The lack of lipid-based transfection products that efficiently transfect these cell types has challenged researchers for many years. To overcome these obstacles, Lipofectamine 3000 is designed to optimize every step in the transfection process and deliver superior performance and improved cell viability in hard-to-transfect cells researchers care about.

**LifeTechnologies**

For info: 800-955-6288 | www.lifetechnologies.com/3000

**STABLE CELL LINES**

The new stable cell lines express endogenous or recombinant proteins and are available in a ready-to-use format to facilitate your research efforts. Using the stable cell lines not only provides an optimized solution for manufacture of therapeutic and diagnostic protein, but also for applications in drug screening, pharmacological research, and toxicological studies. The extensive portfolio of ready-to-use stable cell lines available includes: receptors (RAR α, IGF1 receptor, motilin receptor [MLNR]); ion channels (CFTR, Nav1.7, Kv1.5); cell signaling (Notch, JNK, NF-κB, ERK); phosphodiesterases (aequorin, CNGA2, PDE1B); stem-cell related (LGR5, OCT4, LIN28); fluorescent (GFP, RFP, CFP, YFP); TetR; luciferase; CRE recombinase/reporter; p53 and DNA repair gene knockdown cell lines (PARP1, MUTYH, MSH2, MLH1, XRC6, BRC1, NBS1). In addition, AMSBIO scientists can quickly establish an optimized cell line, using a lentiviral system, according to scientists’ specification. All custom cell lines are designed specifically to meet client specifications and our own rigorous internal QC criteria.

**AMSBiotechnology**

For info: +44-(0)-1235-828200 | www.amsbio.com

**For info:**

www.sciencemag.org/products/newproducts.dtl