



Gel-Imaging Systems

For high-performance imaging, the new generation of G:BOX Chemi gel doc systems provide an extended range of applications covering fluorescence and chemiluminescence. All these systems are equipped with Syngene's GeneSys automatic control software, which consists of a database containing hundreds of capture protocols. Full manual control is also available. The series features cameras with 4-, 6-, or

9- megapixel resolution. All have cooling, which reduces the small amount of electronically generated noise and produces outstanding images with minimal background interference. The optional LED modules offer a unique, automated multiplexed function capable of using up to five channels. Other LED modules can turn the G:BOX Chemi into a highly sensitive infrared capture device. An edge-lighting option is also supplied for 2D gel capture, including the use of difference gel-electrophoresis gels. All systems come complete with unlimited copies of GeneTools analysis software.

Syngene

For info: 800-686-4407

www.syngene.com/g-box-chemi-xx6

Blood Bank Refrigerators

Thermo Scientific TSX Series high-performance blood bank refrigerators are ENERGY STAR certified, and designed with features that support sample protection and sustainability objectives for the storage of whole blood and blood components. Their V-drive technology is designed to provide temperature uniformity (temperature range of 2°C–8°C, factory setpoint at 4°C) that continually adapts to user patterns, offering significant energy savings without compromising protection. These refrigerators are designed to meet the strict requirements established by the AABB and FDA for blood storage. They can store up to 385 blood bags (450 mL whole blood), and are whisper-quiet with a sound level of 52 dBA, enabling end users to work alongside them without distraction.

Thermo Fisher Scientific

For info: 800-955-6288

www.thermofisher.com/order/catalog/product/tsx2304ba

LC/Q-TOF MS System and Columns

Agilent Technologies' AdvanceBio 6545XT LC/Q-TOF MS system combines high-performance liquid chromatography with robust quadrupole time-of-flight mass spectrometry (Q-TOF MS) and data-analysis tools. A research-grade system, the 6545XT is designed to deliver superior results to scientists seeking to characterize biomolecules that could be the basis for new therapeutics. It has also been optimized for use in profiling intact proteins, mapping peptides, and identifying posttranslational modifications. Agilent's solutions for these types of workflows are further enhanced by the AdvanceBio LC column portfolio as well as the AdvanceBio Peptide Plus column. The latter column is designed for LC/MS peptide separations utilizing our unique, superficially porous particle technology.

Agilent Technologies

For info: 800-227-9770

www.agilent.com

Autophagy Detection Kit

CYTO-ID Autophagy Detection Kit measures autophagic vacuoles and monitors autophagic flux in lysosomally inhibited live cells, using a novel dye that selectively labels accumulated autophagic vacuoles. The dye has been optimized through the identification of titratable functional moieties that allow for minimal staining of lysosomes while exhibiting bright fluorescence upon incorporation into pre-autophagosomes, autophagosomes, and autolysosomes (autophagolysosomes). The assay offers a rapid, quantitative approach to monitoring autophagy in live cells without the need for cell transfection. Autophagy is a stress-induced, protective mechanism used by eukaryotic cells through lysosome-mediated bulk degradation of cellular contents when subjected to certain hostile conditions, such as nutrient depletion and chemical or environmental stress. The role of increased autophagic activity in the pathology of cancer, neurodegeneration, cardiovascular disease, and diabetes has become widely recognized and commonly studied.

Enzo Life Sciences

For info: 800-942-0430

www.enzolifesciences.com

In Vivo Imaging System

The IVIS SpectrumCT preclinical in vivo imaging system is an integrative platform that combines the full suite of IVIS optical features, including spectral unmixing, 2D and 3D quantitative bioluminescence, and fluorescence with fast and low-dose computed tomography (CT) imaging. The simple user interface, along with automated coregistration and advanced visualization and analysis tools, is driven by PerkinElmer's market-leading Living Image software. The SpectrumCT enables longitudinal workflows to characterize disease progression and therapeutic effect throughout the experimental time frame, with both quantitative CT and optical reconstructions. Fast imaging and the ability to image multiple animals offers the throughput required to scan large cohorts of animals quickly and draw sound conclusions from your experimental data.

PerkinElmer

For info: 800-762-4000

www.perkinelmer.com

Small Animal Imaging System

The iBox Scientia Small Animal Imaging System is designed to automate your in vivo small animal imaging research. The system provides noninvasive detection of fluorescent and bioluminescent reporters in mice. The one-touch, preset, or user-defined controls are easy to use, facilitating accurate, repeatable imaging. Applications for preclinical research include tumor studies, cancer research, heart disease, and gene therapy. The iBox Scientia features high-resolution, high-sensitivity CCD cameras for in vivo imaging; motorized optics for setting the aperture, zoom, and focus; a light-tight darkroom; and a unique viewing window that enables quick sample inspection. The matched emission/excitation filter sets are specifically designed for small animal imaging. Automated control of the five-position emission filter array allows the addition of emissions for visible, infrared, and ultraviolet light, to meet all spectral requirements. The iBox also comes with a warming plate, roll-out tray, automated templates for repeat experiments, and VisionWorks software (configured with system or optional) for analysis and image compositing.

UVP

For info: 800-452-6788

uvp.com/ibox.html

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