AUTOMATED LIQUID HANDLER
The CV2000 automated aliquoting liquid handler is a second-generation platform that enhances laboratory efficiency through workflow automation. The system can accurately dispense liquid volumes from 100 to 875 µL and process up to 1,000 samples per hour. With its robotic arm and rotary height sensors, it fits easily into automated workflows to boost sample throughput. The system is compatible with a wide variety of sample management software, but can also be used as a stand-alone instrument. The system effectively manages samples to boost efficiency and productivity with zero cross-contamination. Fully compatible with multiple rack formats, the CV2000 system allows users to change the loading and dispensing routine to suit their needs. A unique tip preservation system allows the instrument to only discharge used tips, reducing waste while eliminating contamination.

Thermo Fisher Scientific
For info: 800-772-8871 | www.thermoscientific.com

PRECLINICAL IMAGING SYSTEM
The IVIS Spectrum CT is a breakthrough preclinical imaging system that integrates advanced optical imaging and low dose microCT (micro-computed tomography) into a single instrument system. Spectrum CT enables simultaneous molecular and anatomical longitudinal studies, providing researchers with vital, unparalleled insights into complex biological systems in small animal models used to develop new, clinically translatable discoveries. A broad array of applications exist for the new instrument, with musculoskeletal, vascular, cardiovascular, and respiratory disease, as well as oncology and phenotyping, among those areas particularly enabled by the integration of optical and microCT imaging. The system’s features include optical sensitivity capable of achieving detection of a few cells and three-dimensional reconstructions of optical molecular bioluminescence and fluorescence signals, integrated with three-dimensional anatomical microCT images. Designed for high throughput, quantitative, non-invasive longitudinal analysis of large cohorts of animals, Spectrum CT enables new, clinically translatable insights.

Caliper Life Sciences
For info: 781-684-6584 | www.caliperls.com

TRANSFECTION REAGENT
Genelin is a new transfection reagent specifically designed to transfect stem cells and primary cells. Stem cells and primary cells have traditionally proven to be very difficult to transfect. Comparative studies against other commercially available reagents show Genelin to be superior in transfection efficiency with minimum cytotoxicity. Genelin is a novel cationic transfection reagent formulated from proprietary compounds that are chemically defined and are of animal-free origin. Tested on a wide range of commonly used cell lines and operating over a wide dynamic range, Genelin offers minimal optimization to achieve superior expression results. Genelin transfection reagent is part of a range of stem-cell qualified products that offer reproducible performance and high consistency from lot to lot.

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

DIGITAL IMAGING CAMERA
The new, easy-to-use SC100 digital color camera is designed for high-quality brightfield imaging, especially where optimal color reproduction and superior resolution are required. The 10.5 megapixel sensor of the SC100 allows samples to be investigated in minute detail, particularly when using a low-magnification objective. This frees users from needing to take multiple, high-magnification images of a sample to preserve resolution. Similarly, images can be easily investigated at high digital magnification at a later date, even if this was not initially intended when using a low-magnification objective. Thus the SC100 is perfect for intensive documentation and makes it easy to analyze samples in detail, at a convenient time for the user and without losing sight of the bigger picture. The SC100 digital color camera can capture in-depth image details in a single shot, without the use of any pixel-shift technology.

Olympus
For info: +49-40-23773-0 | www.microscopy.olympus.eu

AUTOGRAPHY BIOMARKER KITS
The new p62 and NBR1 ELISA kits enable quantitative measurement of autophagy biomarkers without the need for expensive equipment or long procedures. The p62 (sequestosome 1) and NBR1 ELISA kits provide a quantitative, immunometric detection method for measuring autophagy in human, rat, and mouse cell lysates. These sensitive assays measure as little as 66 or 100 pg/mL of NBR1 or p62, respectively, and provide fully quantitative results that surpass semiquantitative Western blot analysis. With the ability to analyze up to 40 samples in duplicate in less than three hours, these kits meet the need for rapid, high throughput analysis. They are supplied with an easy-to-follow protocol, precoated microtiter plate, and liquid color-coded reagents to save the user time and reduce errors. The break-a-part strip plate design provides flexibility, and means not having to run all 96 wells at once. Each kit is put through rigorous fit-for-purpose validation and stability testing to ensure high precision, accuracy, sensitivity, and specificity.

Enzo Life Sciences
For info: 800-942-0430 | www.enzolifesciences.com
New Products
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Editor's Summary

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