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New England Biolabs, a world leader in the production of reagents for the life science industry, is extending its global network with the opening of an eighth subsidiary in Australia in 2019.

Established in the mid 1970's, New England Biolabs, Inc. (NEB) is the industry leader in the discovery and production of enzymes for molecular biology applications and now offers the largest selection of recombinant and native enzymes for genomic research. NEB continues to expand its product offerings into areas related to PCR, gene expression, sample preparation for next generation sequencing, synthetic biology, glycobiology, epigenetics and RNA analysis.

Additionally, NEB is focused on strengthening alliances that enable new technologies to reach key market sectors, including molecular diagnostics development. New England Biolabs is a privately held company, headquartered in Ipswich, MA, and has extensive worldwide distribution through a network of exclusive distributors, agents and eight subsidiaries located in Australia, Canada, China, France, Germany, Japan, Singapore and the UK.

For more information about New England Biolabs visit www.neb.com.

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Microplate Washer

The 405 TS from BioTek has a unique set of features designed to efficiently, effectively wash cell-based assays, microsphere-based assays, and ELISA, with outstanding results for every application. The patented Verify technology automatically checks for manifold tube blockages before a wash cycle,

and Ultrasonic Advantage automatically cleans any blocked manifold tubes. The 405 TS has a high-resolution, advanced touchscreen user interface and a programmable residual volume that simplifies leaving the wells empty or with the exact amount of residual your assay needs. The unit also has a lock/unlock feature for onboard protocols, to keep your critical programs secure against unintended changes. A USB flash drive ports for convenient file transfer and storage. In addition, the 405 TS is optimized for loosely adherent cell monolayers.

BioTek

For info: 888-451-5171
www.biotek.com

Controlled-Rate Freezer

SP Scientific introduces the new BioCool V40—a robust, reliable, mechanically refrigerated 1.5-L system designed for controlled-rate freezing of biological materials, including blood, embryos, and tissue samples. BioCool V40 is the only controlled-rate freezer that does not require expendable liquid nitrogen and the associated pumping, refilling, and storage challenges posed by cryogenic liquid. It simply plugs into a standard electrical outlet and quietly provides low-temperature cooling to -40°C . The magnetic stirrer and vortex breaker ensure isothermal conditions throughout the temperature range. An intuitive user interface allows for easy navigation and parameter adjustment. The powerful controller enables programming and storage of numerous protocols, each with up to 10 distinct segments specifying ramp rate, hold temperature, and hold time. Configuration files can now be programmed, saved, and shared remotely through RS485 communication and a free software package. Unlike liquid nitrogen systems, which surround samples with a cold vapor phase, the BioCool V40 immerses samples into a well-circulated, liquid cold bath. The circulating liquid allows more efficient heat transfer to the samples and maintains a more consistent temperature profile at all locations.

SP Scientific

For info: 845-255-5000
www.spscientific.com

Antibody-Labeling Immunoassay

Expedeon introduces its Lightning-Link Metal Labeling Kits for use in multiple immunoassay-based applications to support single-cell analysis. The new kits will enable users to dramatically enhance the phenotypic analysis of heterogeneous cell populations, providing increased multiplexing capability as compared to fluorophore labeling, and improving sample throughput and research output. Because the metals do not produce the background noise associated with fluorophores, multiplexing capabilities are greatly increased. This technique is utilized in numerous fields, such as immunology, oncology, phosphoproteomics, and hematology through its associated applications, including dissociation-enhanced lanthanide

fluorescence immunoassays, multiplexed ion beam imaging, X-ray fluorescence, and mass cytometry (cytometry by time-of-flight).

Expedeon

For info: 844-611-3656
www.expedeon.com

Compound Library for Stem Cell Screening

Enzo Life Sciences introduces the SCREEN-WELL Stem Cell Library, a collection of 130 ready-to-use compounds for diverse stem cell research. It contains small molecules that can be used to investigate cellular mechanisms that regulate differentiation, self-renewal, reprogramming, and cell growth. These mechanisms hold promise for new cellular therapies, regenerative medicine, and improved model systems for accessing drug efficacy and toxicity. The Stem Cell Library comprises compounds that are predominantly dissolved at 10 mM in DMSO and aliquoted at 100 μL per well in deep 96-well plates. The SCREEN-WELL Compound Libraries include complete documentation that highlights the physical information and mechanism of action for each compound. In addition, Enzo can resupply individual bulk compounds or build custom libraries.

Enzo Life Sciences

For info: 800-942-0430
www.enzolifesciences.com

Live-Cell Plate Reader

Spark Cyto from Tecan is the first live-cell plate reader to offer real-time detection and analysis of biological, chemical, and physical events—capturing the maximum amount of data from every well, at the same time and under the same conditions. Building on the success of the original Spark platform, it combines the flexibility of a high-end multimode plate reader with whole-well imaging and comprehensive environmental control for cell-based assays. Spark Cyto uses top-of-the-range camera components and a patent-pending LED autofocus system to provide real-time data acquisition and analysis—for 6- to 384-well formats—ensuring that no key event is ever missed. It allows qualitative and quantitative information to be integrated into unique multiparametric data sets, delivering meaningful insights faster than ever before. With three magnification levels and four acquisition channels, it enables entire cell populations to be investigated by capturing the whole well area of 96- or 384-well microplates in just one image, without tiling or distortion.

Tecan

For info: +41-(0)-44-922-81-11
www.tecan.com/sparkcyto

RNA Extraction Reagent

RNA STAT-60 from AMS Biotechnology is a complete, ready-to-use reagent for isolation of total RNA from tissues and cells of human, animal, plant, yeast, bacterial, and viral origin. The entire procedure for RNA isolation using RNA STAT-60 can be completed in 1 h, and its recovery of undegraded mRNAs is 30%–150% greater than that achieved with any other method of RNA isolation. The total RNA isolated by the RNA STAT-60 is undegraded and free of protein and DNA contamination. It can be used for Northern analysis, dot-blot hybridization, polyA⁺ selection, *in vitro* translation, ribonuclease protection assays, and molecular cloning, and for PCR without additional treatment with deoxyribonuclease. The simplicity of isolation using the RNA STAT-60 enables simultaneous processing of a large number of samples, with excellent recovery of RNA from very small biological samples (biopsies, etc.).

AMS Biotechnology

For info: 800-987-0985
www.amsbio.com/rna-stat60.aspx

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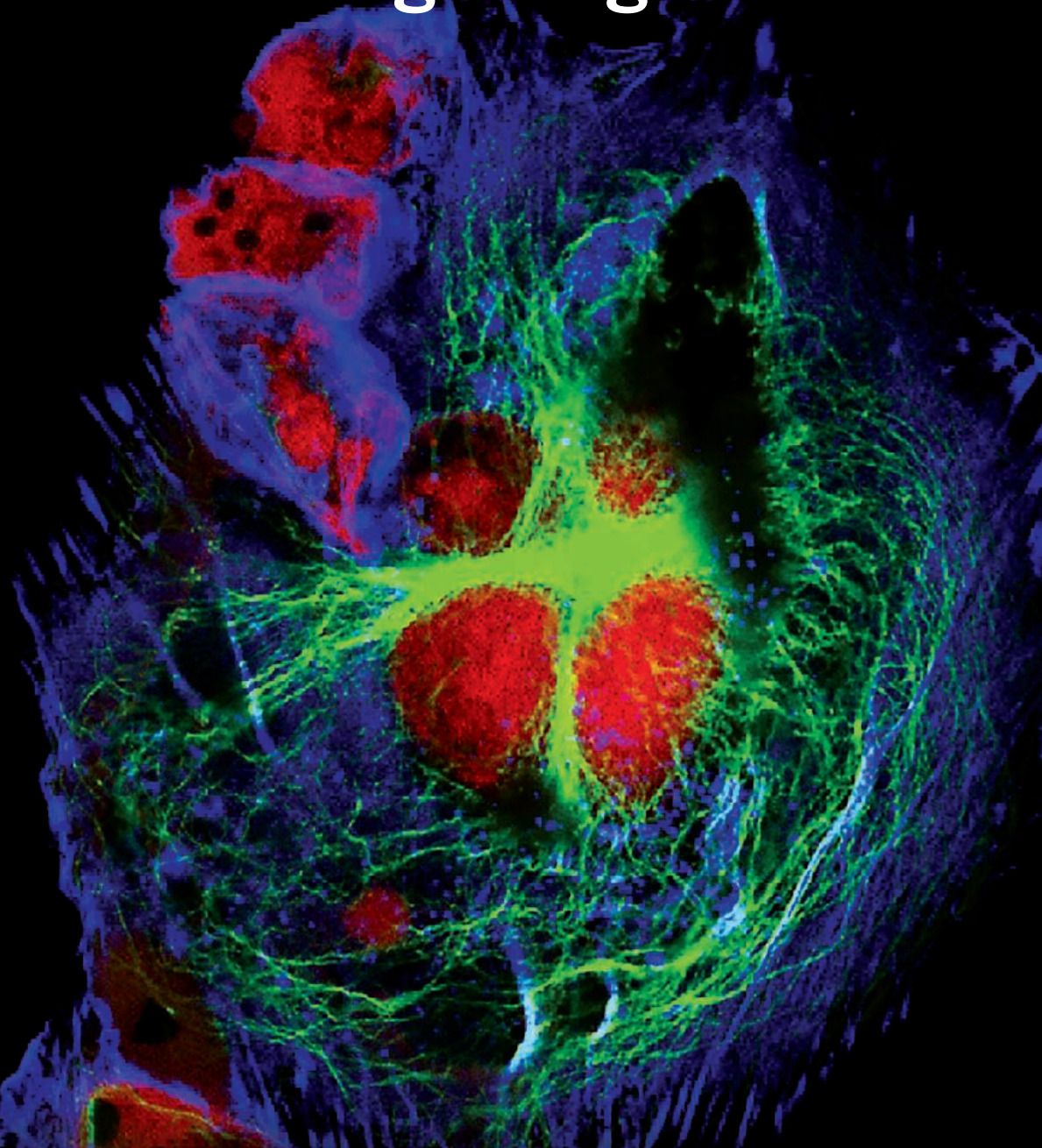


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