

Laser Microdissection

The mmi Cellcut is the second generation of a tool that combines several proven, cutting-edge technologies to make laser microdissection fast, precise, and contamination-free. It includes a new solid-state laser and additional software features such as automatic full-slide cap lift and inspection mode.

MMI For information +41 1 809 10 10 www.molecular-machines.com

DNA Ligation Kit

The DNA Ligation Kit Mighty Mix is a new, one-solution premix that offers convenient and high-efficiency ligations, particularly for blunt-end ligation. This single-solution reagent simplifies reaction assembly and minimizes the risk of contamination by eliminating pipetting steps. Furthermore, the ligation reaction mixture can be used directly for transformations. Generally, reactions are performed at 16°C for 30 min., but a rapid protocol (25°C for 5 min.) is possible for some templates. In addition, Mighty Mix allows small (10 µl) ligation reaction volumes when sample DNA is limited.

Takara For information 608-441-2919 www.takaramirusbio.com

Solvent Removal for Biologists

The EZ-BIO system is optimized to remove the solvents commonly used in molecular biology research, including ethanol, methanol, water, and acetonitrile. The system is not encumbered by many of the extra functions associated with complex organic chemistry applications and consequently provides an evaporator tailored to the needs and budget of academic researchers. It provides pre-programmed methods for evaporation of high-performance liquid chromatography fractions and DNA samples as well as Genevac's patented Dri-Pure anti-bumping control.

Genevac For information +44-1473-240000 www.genevac.co.uk

Fluorescence Stereomicroscope

The Stereo Lumar.V12 fluorescence stereomicroscope features a patented optics design that provides not only optimum resolution but also extremely bright fluorescence, all with a high-contrast three-dimensional image. Markedly more information is obtained from the micrographs, particularly in examinations in cellular, molecular, and developmental biology or molecular genetic engineering. For example, the presentation of fluorescence-labeled, microstructured substrates in examinations of cell adhesion and cell interaction reaches a level of quality that has so far only been possible with traditional light microscopes, according to the manufacturer.

Zeiss For information +49 (0) 3641 64-2770 www.zeiss.de/mikro

X-ray Module for Small Animal Imaging

A new digital x-ray imaging accessory for the Image Station 2000MM Multimodal Imaging System enables true multimodal imaging for life science research imaging applications. The module is a shielded enclosure that contains the x-ray source, controls, and safety features. It adds on-board, high-resolution x-ray imaging to the Image Station 2000MM system's multiwavelength fluorescence, luminescence, and

radioisotopic imaging capabilities. This allows life science researchers to conveniently capture and precisely co-register anatomical x-rays of tissues, organs, and whole animals with molecular-based imaging modalities, improving anatomical localization of molecular signals generated by optical and radioisotopic-based molecular imaging agents. The Multimodal Imaging System offers quantitative imaging of luminescent-, fluorescent-, radiographic-, and colorimetric-labeled biomolecules in a variety of common assay formats, including membranes, electrophoresis gels, plates, tissues, and in vivo assays.

Eastman Kodak For information 877-SIS-HELP www.kodak.com

Benchtop Flow Cytometer System

The Cytomics FC 500 MPL flow cytometer features new software with streamlined setup and analysis capabilities. The new system automates tube and microplate-based assays for increased throughput. Its multiplatform loader enables cellular and bead-based analysis of samples in tubes or a variety of 24- and 96-well plates. The FC 500 MPL provides five-color analysis from a single laser, enabling the study of more analytes per tube, while an optional dual-laser excitation capability adds another level of flexibility. New features, such as variable sample aspiration and mixing cycles, allow the user to select settings that best meet the needs of the application. Users can choose from thousands of available reagents or use Beckman Coulter's Custom Design Service for specialized assays.

Beckman Coulter For information 800-742-2345 www.beckmancoulter.com

Literature

Microarray News is a newsletter focusing on the latest technical advances and applications developments in microarraying. In a recent issue, a new microarrayer hybrid bed option is introduced that facilitates printing of DNA and protein arrays into 96- or 384-well microplates. The article demonstrates how arraying into microplates has advantages over slides in terms of ease of automation, higher throughput parallel analysis of samples, and savings in time and cost. New advances in reverse transfection for analysis of protein expression, protein trafficking, and protein-protein interaction as well as short-interfering RNA molecules in RNA interference studies using array technology are discussed.

Genetix For information 877-436-3849 www.genetix.com

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier by visiting www.science.labvelocity.com on the Web, where you can request that the information be sent to you by e-mail, fax, mail, or telephone.

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