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Fluorescent Imaging system

The ScanArray 3000 is a fluorescent imaging system designed to capture the full potential of microarray biochips. It allows scientists to analyze thousands of genes at a time on a biochip. The instrument features easy-to-use Windows software, high sensitivity, a large dynamic range, and a small footprint. **General Scanning. For information call 800-343-1167 or circle 142 on the Reader Service Card.**

PRODUCTS

Secondary Antibodies

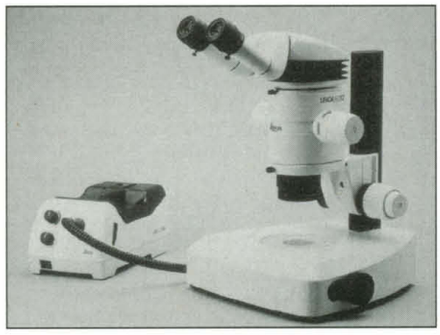
AffiniClear secondary antibodies are conjugated to horseradish peroxidase for use in Western (protein) blot applications. These antibodies are affinity-purified and optimized for use in electrochemiluminescence experiments. They have been absorbed against the serum proteins of a large number of species to virtually eliminate background and nonspecific staining. **Affinity BioReagents. For information call 800-527-4535 or circle 143 on the Reader Service Card.**

DNA Template Preparation

The OmniTemplate eliminates the need to change and re-label tubes for DNA template preparation or genotyping and other high-throughput applications. The OmniTemplate method involves short grinding and isolation of the nuclei in a single sample collection tube. The isolated nuclei are digested to release template DNA in a buffer compatible with polymerase chain reaction and other downstream applications. The method is suitable for blood, cells, and animal tissue samples and produces templates ready for use without further manipulation. **Geno Technology. For information call 314-534-0075 or circle 144 on the Reader Service Card.**

Transmitted Light Microscope Stand

The new HL (high level) transmitted light stand is available for Leica stereomicroscopes and macroscopes. Transmitted light is the best way to illuminate some unprepared translucent specimens, including insects, plants, and foraminifera. Some colored objects, such as thin specimens or smears, can also be examined in this manner. The potential of transmitted light can be fully realized if the angle of incidence of the light beam is variable, as it is with the new HL transmitted light stand. The light for the HL transmitted



light stand originates from a fiber optic light guide attached to an external cold light source, so no heat is produced that could damage the specimen. **Leica. For information call 800-248-0123 or circle 145 on the Reader Service Card.**

Laser Microbeam Microdissection

The Robot-Microbeam provides a tool for quick and easy microdissection and micropreparation of minute tissue areas, single cells, or chromosomes. A focused 337-nm nitrogen laser yields a laser spot of less than one μm in diameter. The extremely high photon density within the laser focus can reliably destroy any unwanted material. The targets are brought into the line of laser fire using a motorized, computer-controlled stage that works with nanometer precision. The beam cuts around the specimen, precisely corresponding to the specimen's shape. The laser microdissected specimen is then catapulted directly into the sample tube by the immense photonic force of the slightly defocused laser microbeam. **P.A.L.M. GmbH. For information call 49 (0)8171-72963 or circle 146 on the Reader Service Card.**

Hybridization Detection Kits

The Super Sensitive ISH Detection System is designed for in situ hybridization (ISH) of DNA and RNA targets in routine paraffin sections. ISH allows the detection and localization of specific nucleic acid sequences directly within a cell or tissue. The technique can be used to identify infectious agents in tissue sections, localize gene expression within individual cells, or detect specific DNA sequences in the genomes of cells. In an ISH procedure, fixed tissue sections are deproteinized to expose target DNA or RNA sequences, such that a labeled probe can be hybridized to the exposed target sequences in the tissue. A detection system is then used for visualizing the probe-target hybrid. The Super Sensitive ISH Detection System makes use of a proprietary biotin-streptavidin signal amplification technology to provide maximum sensitivity with minimum background. The system is designed for use with either biotinylated or fluoresceinated probes. **BioGenex. For information call 800-421-4149 or circle 147 on the Reader Service Card.**

Polypropylene Autoclave Bags

These strong, pliable, leak- and puncture-resistant polypropylene bags for disposal of biohazardous and non-biohazardous wastes are environmentally safe, are manufactured with water-soluble ink, and contain no heavy metals or solvents. The bags are available with or without printing. Bags with printing feature English and Spanish text, a clearly visible biohazard symbol, and a sterilization indicator—the word "Autoclaved" darkens to show the proper autoclaving temperature has been reached. Bags with no printing can be used for double-bagging and disposal of non-biohazardous wastes. **Fisher HealthCare. For information call 800-640-0640 or circle 148 on the Reader Service Card.**

Pig Recombinant Cytokines and Antibodies

Five new cytokines available for pig immunology research are: IL-1β, IL-8, IL-12 (p40), IL-12 (p70) and IFNγ. Three new polyclonal antibodies are: anti-pig IL-1β, anti-pig IL-6, and anti-pig IL-12 (p40). **Endogen. For information call 800-487-4885 or circle 149 on the Reader Service Card.**

Literature

U.K. Biotechnology Handbook 97/98 lists more than 850 organizations involved in biotechnology. This new edition has more than 100 new entries and includes financial information, staff numbers, e-mail addresses, and World Wide Web URLs. It also includes 12 articles on issues and developments such as bioinformatics, technology transfer, industrial liaison, agricultural biotechnology, and waste management. **BioCommerce Data Ltd. For information call +44 (0) 181 332 4660 or circle 150 on the Reader Service Card.**

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 in Tech.Sight is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Reader Service Card and placing it in a mailbox. Postage is free.