

## Autoradiography System

"Reflection" autoradiography film and "Reflection" intensifying screen provide superior resolution for studies involving detection of  $^{32}\text{P}$  and chemiluminescence signals. The system is the first matched film and screen designed to produce sensitivity and resolution for DNA-RNA studies involving autoradiographic detection of  $^{32}\text{P}$ . It offers the fastest film detection of Southern (DNA) blots, Northern (RNA) blots, colony-plaque blots, and protein immunoblots. There is no resolution loss for chemiluminescence. **Du Pont. Circle 139.**

## $\text{N}_2$ Evaporation System

The RapidVap  $\text{N}_2$  Evaporation System is a sample preparation station for processing environmental samples that should not be evaporated to dryness. The system uses vortex motion, dry heat, and nitrogen blow down to reduce samples as large as 450 ml to 0.5 ml, 1 ml, 2 ml, or dryness.



For example, methylene chloride evaporates at a rate up to 9 ml per minute per tube. The vortex motion creates a rinsing action that helps keep analytes in solution so excellent recoveries are achieved. Sensors automatically detect when endpoint has been reached. **Labconco. Circle 140.**

## Monoclonal Antibodies

Monoclonal antibodies (mAbs) available for use in cytokine research include mAbs for interleu-

kin (IL)-1 $\beta$ , IL-2, IL-3, IL-5, IL-8, tumor necrosis factor (TNF)- $\alpha$ , TNF- $\beta$ , granulocyte-macrophage colony-stimulating factor, soluble IL-6 receptor, and fibroblast growth factor-4. In addition to the neutralization of the bioactivity of a target cytokine, these mAbs can be used in protein immunoblotting and enzyme-linked immunosorbent assays. **R & D Systems. Circle 141.**

The OV-TL 12/30 mAb reacts specifically with cytokeratin 7, a 54-kD protein that is in a family of water-insoluble intermediate filaments found in almost all epithelial types. The RCK108 mAb reacts specifically with cytokeratin 19, a 40-kD protein in the same family. OV-TL 12/30 has been used to distinguish between ovarian and colon carcinomas and between hepatomas and cholangiocarcinomas. RCK108 reacts with many types of epithelial cells, including numerous ductal and glandular epithelia. **BioGenex. Circle 142.**

New mAbs for coagulation and inflammation research include specificities for human factor V light chain, human factor V heavy chain, human factor XII light chain, human factor XII heavy chain, human plasma prekallikrein heavy chain, human high molecular weight kininogen light chain, and human high molecular weight kininogen heavy chain. **QED. Circle 143.**

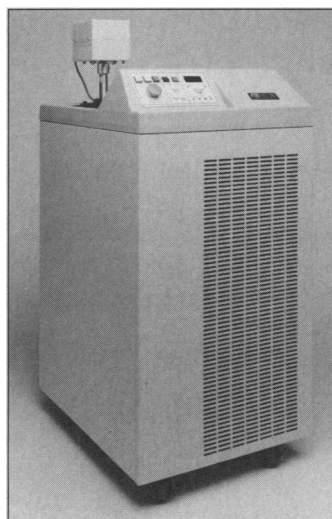
## Presentation Graphics Software

SlideWrite Plus 2.0 for Windows technical graphing and presentation software offers three-dimensional (3D) graphing with a choice of 3D bar, ribbon, area, scatter, mesh surface, or contour graphs; curve fitting, using 100

linear and 16 nonlinear built-in functions; context-sensitive help that can be annotated by the user; complete control of color, line, and pattern; and extensive drawing and output options. Up to 20 data series, each with up to 32,000 data points, can be plotted and displayed in 3D bar, ribbon, or area graphs. The program requires Microsoft Windows 3.1 or higher, an IBM-compatible personal computer, a hard disk with 2 megabytes of free disk space, 2 megabytes of random access memory, and a mouse. **Advanced Graphics Software. Circle 144.**

## Ultra-Low Chiller

The RC210 Series ultra-low temperature recirculating chiller provides cooling fluid down to  $-80^\circ\text{C}$



at flow rates up to 8 gpm. The high-capacity mechanical refrigeration system removes 880 watts (3000 Btu per hour) of heat at  $-60^\circ\text{C}$ . An efficient heat exchange system allows the system to cool from ambient to  $-60^\circ\text{C}$  in less than 15 min. The RC210 is chlorofluorocarbon-free and requires only 208 V of electrical power for operation. **FTS Systems. Circle 145.**

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

## Mycoplasma Infection Detection

The Mycoplasma PCR (polymerase chain reaction) Primer Set is a nonradioactive method to detect mycoplasma infection in tissue culture cells in as little as 4 hours. The set requires little template preparation and test set-up. There is no need to maintain a special indicator cell line, use radioactivity, or use a fluorescent microscope. **Stratagene. Circle 146.**

## Literature

*Powerful New Tools for Learning HPLC* is a brochure that describes a series of computer-based training programs for high-performance liquid chromatography (HPLC). The five programs cover the principles and concepts of HPLC, separation modes, method development, system components, and trouble-shooting. **Phenomenex. Circle 147.**

*PatentBulletin* is a series of individual monthly newsletters that provide a comprehensive overview of new patents worldwide in six industries: biotechnology, pharmaceuticals, genetic engineering, computers, food technology, and medical devices. The six issues, which are available free through December, offer researchers a quick way to track emerging developments. **MicroPatent. Circle 148.**

*Better Biological Separations Through Better Chemistry* describes analytical techniques and instruments used for separation of proteins, peptides, glycoproteins, glycoconjugates, carbohydrates, and nucleic acids. **Dionex. Circle 149.**

*Automating Solid Phase Extraction Methods* is a 32-page booklet that outlines a step-by-step process for automating this method for isolating compounds from complex matrices that can produce clean extracts with high recovery and reduced solvent usage. **Zymark. Circle 150.**

# Science

## PRODUCTS & MATERIALS

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