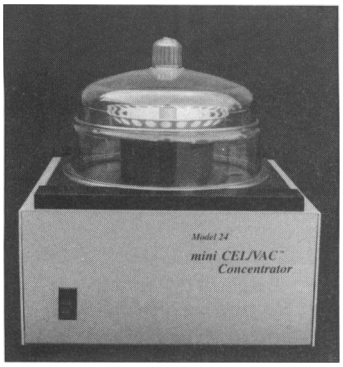

Concentrator

The Model 24 mini CEL/VAC Concentrator is a small footprint instrument designed for DNA isolation research but that is also applicable for evaporation and recovery of other biological samples such as amino acids, peptides, and drugs. The vacuum chamber is formed by using a strong polycarbonate desiccator cover, which offers excellent visibility of the chamber. A lightweight 24-place rotor for 1.5- to 2-ml microcentrifuge tubes achieves a top speed of 1500 rpm in seconds and stops smoothly within 10 s without an electronic brake. The Model 48 CEL/VAC Concentrator offers greater versatility than the Model 24, including a larger desiccator cover to use rotors of increased capacity, both in number of samples and volume, and a heater circuit to decrease evaporation times. **CEL Associates. Circle139.**

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DNA Sequencing Kit

The PRISM Dye Primer UniCycle Kit saves time and reduces costs for DNA sequencing. These savings are achieved through a procedure that requires only one cycle (annealing, extension, and denaturation with AmpliTaq DNA Polymerase) to yield enough fluorescence-labeled template for a strong, even signal. In addition, because the reaction time is short, no oil overlay is necessary to prevent sample evaporation. The procedure requires a minimum of 0.8 μg of single-stranded template, making it ideal for use with M13 phage, asymmetric polymerase chain reaction products, and templates prepared by solid-phase methods. **Perkin-Elmer. Circle 140.**

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Laser Microdissection System

The LaserScissors microdissection system can be used as a stand-alone research tool or in conjunction with the manufacturer's companion products, the LaserTweezers 1000 and 2000. Designed to allow researchers to make submicrometer incisions in cells, cell processes (such as neurites), or organelles (such as chromosome microdissections), the new device also can ablate unwanted cells from among heterogeneous cultures. The compact LaserScissors module, including its focusing and steering optics, mounts directly on a standard microscope. Through use of a pulsed nitrogen dye laser with a standard emission wavelength of 390 nm, the device makes a quick (4 ns) and precise (spot size of less than 0.5-μm) incision. **Cell Robotics. Circle 141.**

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Autoradiography Film for Sequencing

The Hyperfilm range of high resolution autoradiograph films is designed to maximize the detection of DNA sequencing products. Unlike conventional medical x-ray film, Hyperfilm has a clear, colorless base that provides excellent contrast between exposed and unexposed areas and improves the information available from a gel. Hyperfilm-MP is recommended for routine sequencing with ^{35}S, ^{33}P, and ^{32}P. Hyperfilm-Bmax is the premium film for reading the maximum sequence with ^{35}S and ^{33}P. **Amersham International. Circle 142.**

Antibodies

This line of monoclonal antibodies (mAbs) to cell surface antigens and signal transducers can be used in flow cytometry and immunoblotting for research in immunology, embryology, AIDS, and cancer. **PanVera Corp. Circle 143.**

Eight different specificities of a mAb for varicella-zoster virus can be used in a variety of techniques. **QED. Circle 144.**

Polyclonal antibody HA.11, specific for the nine–amino acid epitope from influenza hemagglutinin is useful in epitope tagging and protein surveillance studies. **BAbCO. Circle 145.**

The anti-mouse c-kit ACK2 mAb is specific to the extracellular domain of the proto-oncogene c-kit, which is crucial in the development of hematopoietic cells, germ cells, and melanocytes. **Kamiya Biomedical. Circle 146.**

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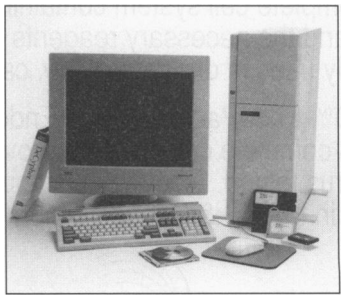
DNA Sequence Data Searches

The DeCypher Sequence Similarity Search System is a new hardware and software workstation for performing fast DNA sequence databank searches. Searches can be performed without the need to establish a priori



search parameters. Results are presented through a color graphics interface so significant matches can be visualized on a single screen. DeCypher performs sequence similarity searches with supercomputer speed on a personal computer workstation platform. Accelerated search times are the result of the Sequence Similarity Engine technology that incorporates a proprietary parallel processing hardware architecture. **Time Logic. Circle 147.**

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High-Recovery Microconcentrator

The Microcon-50 microconcentrator provides a 50,000 molecular weight cut-off for concentrating and desalting small quantities of proteins and nucleic acids. It is especially suited for removing primer from polymerase chain reaction–amplified DNA. The device can be used to concentrate and desalt the DNA in one step, typically removing over 90% of the nonincorporated primers. Samples of up to 500 μl can be rapidly reduced to as little as 5 μl through use of a standard microcentrifuge. **Amicon. Circle 148.**

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Literature

1993/94 Catalog & Handbook contains 64 pages of products for electrophoresis, including products for DNA sequencing, mutation detection, polymerase chain reaction analysis, and protein separations. **AT Biochem. Circle 149.**

The Eighth Edition of Linscott's Directory of Immunological and Biological Reagents tells where to find more than 47,000 different products: 13,000 monoclonal antibodies, 14,000 antisera and conjugates, and 20,000 other biomedical reagents, such as lectins, blood products, recDNA reagents, serum proteins, cytokines, immunoassay kits, tissues, microbial cultures and antigens, separation media, enzymes, hormones, peptides, and cell lines. For the first time, the directory is available on IBM-compatible floppy disks. **Linscott's Directory. Circle 150.**

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.

PRODUCTS & MATERIALS

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