

## System for Probe Synthesis and Hybridization

The Rapid Hybridization System—Multi-prime allows synthesis of high specific-activity probes in 30 min and subsequent hybridization with nucleic acid blots in 2 hours. The system is composed of a DNA labeling kit and a hybridization buffer designed to increase hybridization rate without high probe concentrations. With probe concentrations between 2 and 8 ng/nl, sensitivities after 2 hours are comparable to those obtained overnight with conventional buffers. Amersham International (United Kingdom). Circle 502.

## Drawing Utility for Chemical On-Line Searches

ChemConnection is a Macintosh desk accessory for building chemical structure or substructure search queries for searching CAS ONLINE. It allows the chemist to draw a query structure off-line to save money and time. No knowledge of the structure generation commands of CAS ONLINE is required. ChemConnection operates on Macintosh XL, Plus, SE, and II computers with at least 1 megabyte of random-access memory and a hard disk drive. \$395. Soft-Shell International. Circle 504.

## Modular Environmentally Controlled Chamber

The MiniLab is a small, sealed room, the environment of which can be controlled. Available either knocked-down or as a factory-assembled unit, the MiniLab comes with all equipment and controls necessary to adjust and maintain environmental parameters. Temperatures can be between 7° and 29°C, and relative humidity can be between 30 and 80%. Both positive and negative pressurization of the MiniLab are possible. The environmental control unit is available either water-cooled or air-cooled and can be customized. Clean Room Technology. Circle 499.

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.

## Columns for Amino Acid Analysis

PolySpher AAS Columns are ion-exchange polymeric columns for amino acid determination by high-performance liquid chromatography. The columns can separate amino acids from protein hydrolysate or free amino acids in solution in 20 min without prederivatization. Packed in the columns are 5- $\mu$ m particles. The columns are stable with both aqueous and organic gradients, at pH from 0 to 14, and at pressures as high as 200 atm. EM Science. Circle 503.

## Antibodies

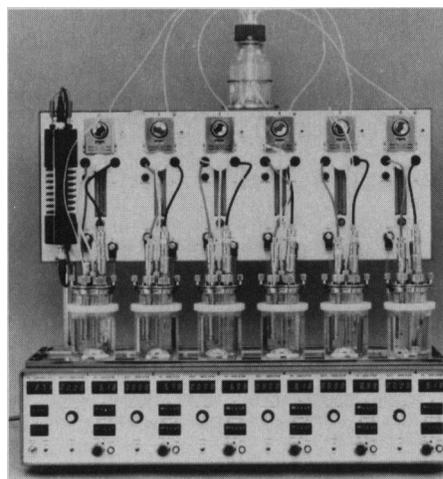
Conjugated and unconjugated monoclonal antibodies to infectious disease agents, including *Chlamydia*, cytomegalovirus, and respiratory syncytial virus. Viro-Stat. Circle 508.

Monoclonal antibodies to human spectrin. Serotec (United Kingdom). Circle 509.

Affinity-purified secondary goat antibodies to rat immunoglobulin G (H + L), immunoadsorbed against mouse serum. Bethesda Research Laboratories. Circle 510.

## Six-Vessel Culture System

The Micro-Jar Fermentor is a culture system with six vessels for simultaneous experiments. The experimental parameters in each 200-ml fermentor jar may be differ-



ent; these parameters include dissolved oxygen, pH, air flow rate, and agitation speed. Included with the Micro-Jar Fermentor are a peristaltic pump, an air-flow meter, a digital temperature display, and a digital agitation-speed display for each jar. Xyferm-Filenco, a Division of JSJ Manufacturing. Circle 497.

## Vibrating Microtome

The Micro Cut H1200 vibrating microtome sections fresh or frozen tissue. Because it does not require that tissue be frozen or embedded, enzyme activity is preserved and structural damage is minimized. Samples sectioned by the H1200 are appropriate for immunocytochemistry, enzyme histochemistry, and fluorescent antibody studies. The microtome can cut sections in thicknesses of 10 to 100  $\mu$ m. The user sets the thickness desired on a backlash-free dial with click-stop settings every 10  $\mu$ m. Because the user can control the cutting frequency and blade speed, many different tissue types can be sectioned. The specimen stage accepts samples as large as 40 mm in diameter. The blade does not move vertically during cutting, and it retracts after each cutting cycle. EMCorp, Electron Microscope Supplies Division. Circle 495.

## Literature

The *Industrial and Lab Plastics Catalog* lists bottles, beakers, valves, tubing, pumps, buckets, storage bins, and other plastic products. Consolidated Plastics. Circle 493.

The 340-page *Nuclear Products Catalog* features electronic research instruments, including data acquisition systems and high-voltage systems. LeCroy. Circle 494.

The 544-page *Biochemical/Immunochemical Catalog 1989* features amino acids, lipids, antibiotics, antibodies, buffers, carbohydrates, detergents, growth factors, dyes, enzymes, peptides, proteins, and nucleotides for research use. Calbiochem. Circle 511.

*1988/1989 Biological Research Products Catalogue and Applications Guide* lists molecular biological and immunological products. Promega, Research Products. Circle 512.

*DB-23/DB-FFAP* is a technical bulletin that describes applications for two gas chromatography stationary phases. J&W Scientific. Circle 513.

The *1989 Products Catalog* is a catalog of nonradioactive DNA probes, monoclonal antibodies, biotinylated nucleotides, and other products for biological and medical research and pathology. Enzo Diagnostics. Circle 516.

*Product Catalog 1989* features test kits, histochemical antisera, fluorescent conjugates, immunoglobulin G fractions, and other products and accessories for immunoassays. INCSTAR. Circle 518.

*231/401 Auto-Sampling Injector* describes a high-performance liquid chromatography instrument for sample preparation, rinsing procedures, injection, and signal monitoring. Gilson Medical Electronics. Circle 521.

# Science

## Products & Materials

*Science* **243** (4894), 1089.  
DOI: 10.1126/science.243.4894.1089

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