

Incubation Hood

The Jumbo offers a convenient alternative to an incubator. It is suited to high-temperature applications with a range from 5°C above ambient to 90°C. It is accurate to within 0.2°C. It is equipped with a humidification, lighting, and cooling system. Its use of stainless steel plus insulation ensures that it will not heat the laboratory. The Jumbo will accommodate a TR-125 shaker with a large type-F tray (31.5 by 16.5 inches). It can also hold eight 2-liter flasks on the bench top. BEA-Enprotech. Circle 592.

Cell and Tissue Adhesive

Cell-Tak is a biocompatible formulation of the adhesive protein of the common blue mussel, *Mytilus edulis*, designed for tissue culture use. Cell-Tak attaches cells and tissue to virtually any substrate including plastic, glass, and Teflon. Cell morphology and doubling time are unaltered and cells may be dispersed for subculture by standard enzymatic techniques. Cell-Tak is supplied as a sterile, aqueous solution. Cell attachment to plates coated with Cell-Tak is rapid and independent of the cell type used. Cells tested successfully to date include primary isolates of vascular endothelium, thymic epithelium, and rat brain neurons, as well as anchorage-independent lines such as U-937 human lymphoma. Typically, greater than 80 percent of the cells attach within 10 minutes of seeding. This rapid attachment also promotes cell-spreading and survival. BioPolymers. Circle 599.

Research Project Database

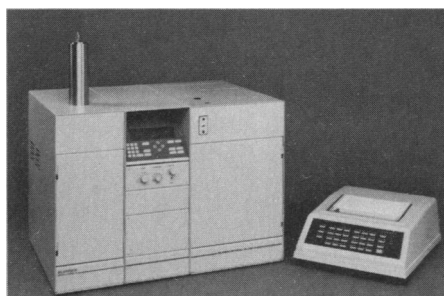
PURE (Present University Research Efforts) is a comprehensive catalog of research in progress at participating institutions. Membership of the Association of American Universities and 25 other schools have been invited to participate. The database includes project title, principal investigator, depart-

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.

ment, division, college, university, university address, agent for industrial relations, and telephone for agent. Abstracts may be included and descriptions of facilities as well. PURE is scheduled to be updated semiannually. Harpers Data Services. Circle 600.

Supercritical Fluid Chromatography

Model SFC/200A chromatograph may be used to analyze triglycerides, polymers or oligomers, surfactants, hydrocarbons, pesticides, and pharmaceuticals. Supercritical fluid chromatography (SFC) employs a mobile



phase which is a compressed gas above its critical temperature and critical pressure points. With SFC, both gas and liquid chromatography detectors may be used including FID, NPD, MS, UV, and packed or capillary columns. The SFC/200A is a microprocessor-controlled system that is capable of density, pressure or flow programming of supercritical mobile phases. The system comprises a high-pressure syringe pump capable of delivering microliter amounts of mobile phase, an SFC injection system, an oven, a flame ionization detector and various data acquisition options. Model SFC/200A can accommodate packed microbore or capillary columns. Nonvolatile, thermally labile, hard-to-derivatize, non-UV-absorbing analytes or complex mixtures that are difficult to analyze with gas or liquid chromatography are candidates for supercritical fluid chromatography. Suprex. Circle 591.

Custom DNA and Peptide Synthesis

Custom synthesis of polynucleotides and peptides is available. Synthetic DNA's are available in both normal and phosphorus-modified forms such as ethyl triesters. Mixed sequences, 5'-terminal labeling, and deoxyinosine substitutions are available. Larger scale custom DNA and peptide syntheses may also be performed. Synthetic Genetics. Circle 604.

Automated Pipettor

The Digiflex-CX incorporates RS232C computer interface capability. When used with a personal computer, the flexibility of storing and running complex protocols is greatly increased. The use of the PC can also combine the data storage of associated test information with the test protocol to be transmitted to the Digiflex-CX. The instrument is controlled from its own keyboard or from a PC that can send ASCII signals through the port. The Digiflex-CX may be used as a sample dilutor, reagent dispenser, or sample aliquoter by selecting one of the multiple modes: Sample/Dispense, Reagent/Sample Transfer, or Sample Transfer. In the Sample/Dispense mode, the selected (entered) sample volume is aspirated into the delivery tip. The sample is then dispensed and followed by the selected volume of diluent or reagent. One or two reagents may be delivered, each with different volumes, when the Digiflex-CX is used as a dispenser. The device is accurate to within 1 percent or 0.1 µl, whichever is greater. A display indicates volume selections. An audible tone assures positive volume selection when the operator presses the touch-sensitive keyboard or when a command has been sent via PC. Micromedic Systems. Circle 602.

Literature

X-Ray Spectrochemistry describes apparatus for sample preparation and an assortment of analytical accessories. Chemplex Industries. Circle 597.

Electrochemical Detectors is devoted to a line of laboratory equipment that is fully compatible with gradient elution and microbore chromatography. Bioanalytical Systems. Circle 598.

Liquid Chromatographs is a catalog that offers instrumentation and components for HPLC. New products include a post-column derivatization reagent system. Scientific Systems. Circle 607.

Hall Effect Integrated Circuits is an applications guide to simplify the selection of sensors and switches for a variety of applications. Sprague Electric. Circle 609.

Protein Separation is devoted to high-resolution, analytical services for industrial and research customers. Integrated Separation Systems. Circle 610.

Chemicals-Biochemicals is an extensive catalog of chiral building blocks, ionophores, "naked anions," polymer supported reagents, protecting group reagents, silylating reagents and silicon compounds, and strong and hindered nitrogen bases. Fluka Chemical. Circle 611.

Science

Products & Materials

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