

Mass Spectra CD-ROM Database

The Registry of Mass Spectral Data, CD-ROM Edition, contains 123,000 mass spectra. All volumes of the book edition fit onto one compact disk (CD). The user can directly access chemical names and synonyms for all compounds, and source data and CAS registry numbers are also available. Search and retrieval software is included on the CD-ROM, as are all the features currently on the mainframe version. To use the registry, the user needs an IBM PC family or completely compatible computer, 640 kilobytes of memory, a Hercules or EGA graphics card, and a CD-ROM player. \$2895. Wiley Electronic Publishing. Circle 530.

SBLC Columns

The MEMSEP 2000 chromatography columns are designed for shallow-bed liquid chromatography (SBLC), a high-performance, low-pressure separation technique. The MEMSEP 2000 columns are filled with a matrix of pure cellulose with low nonspecific binding and high surface area. The cellulose has been modified to permit attachment of ligands. Throughputs of 50 g/hour are possible. Elution volumes of less than 40% of the bed void volume are possible, with HETP values as low as 0.0025 cm. Domnick Hunter Filters (United Kingdom). Circle 531.

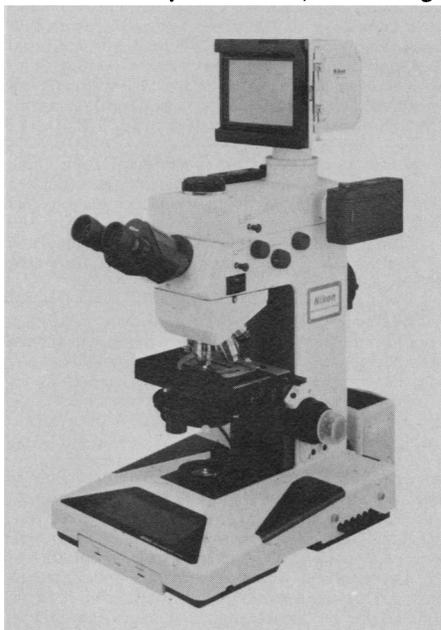
Capillary Columns

The Superbond capillary columns for supercritical fluid chromatography (SFC) have thick tube walls compatible with integral restrictors. These columns have an exterior diameter of 375 μm —double the exterior diameter of standard capillary SFC columns—and an inner diameter of either 50 or 100 μm . Eight stationary phases are available: methyl polysiloxane; 5% phenyl, 95% methyl polysiloxane; 50% phenyl, 50% methyl polysiloxane; 30% biphenyl, 70% methyl polysiloxane; 25% cyanopropyl, 25% phenyl, 50% methyl polysiloxane; 50% cyanopropyl, 50% methyl polysiloxane; and liquid crystalline polysiloxane. Lee Scientific. Circle 534.

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.

Research Microscope

The Microphot-FXA is a microscope with a built-in microprocessor that automatically controls focus, condenser aperture, objective revolver, camera functions, and data documentation. Software-controlled camera ports accept two DX cameras (cameras that automatically recognize the speed of the film with which they are loaded) and a large-



format camera. The microscope automatically sets the film speed of the DX cameras once they are loaded. Each photograph is automatically labeled with scale value, frame number, file number, and exposure. A keyboard slides out from the front of the camera; the user can select menu choices on the keyboard for the software. The Microphot-FXA has an RS-232C port so that it can send data to a printer or receive data or remote-control instructions from a modem or host computer. Nikon, Instrument Group. Circle 533.

Protein Sequencer

The 8500 ProSequencer is a covalent protein sequencer with a cycle time of less than 30 min. Its chemistry requires only three solvents and three reagents. Menu-driven software accepts as many as 200 predefined or user-defined protocols per

cycle. A resource calculator determines total amount of required reagents. Warnings occur when any function approaches its threshold value; if any limit is exceeded, the sequencer stops either immediately or at the next safe point. A low-volume inert continuous-flow reaction chamber accommodates glass beads or membranes. The temperature-controlled autoconverter is programmable and can heat and cool at rates greater than 10°C per minute. MillGen, Division of Millipore. Circle 540.

Serum-Free Tissue Culture Media

SFM-101 is a chemically defined serum-free media. A protein concentration of 20 $\mu\text{g}/\text{ml}$ enhances collection and purification of monoclonal antibodies and other cell products from culture supernatants. Hypoxanthine-aminopterin-thymidine selection is not needed to prepare new mouse hybridomas. SFM-101 supports the growth of many types of cell lines, including mouse and human, B cell hybridomas, and lymphoid and nonlymphoid cells. Kamiya Biomedical. Circle 532.

Literature

Application #1: Synthetic Oligonucleotide Purification is an application brochure that illustrates the benefits of polymeric reversed-phase high-performance liquid chromatography columns for purification of 5'-dimethyltrityl-protected DNA oligomers. Hamilton. Circle 544.

Precision Optical Components is a 48-page catalog of beam splitters, deep aspheric reflectors, filters, front-surface mirrors, laser beam expanders, laser components, lenses, polarizers, excimer laser optics, prisms, retarders, infrared optics, windows, and solid etalons. Optics for Research. Circle 547.

The *Product Catalog* features nucleic acid analysis services and 200 kinds of reagents, probes, instruments, and accessories for molecular biology. Oncor. Circle 548.

Data Acquisition & Control is a catalog covering instruments, interfaces, and software for data acquisition on many types of computers, as well as signal conditioning, computer vision, and image processing products. MetraByte. Circle 549.

The *PC Technical Source-Book* is a 76-page booklet of hardware and software facts about the IBM PC family of computers, including information on Edlin commands, DOS commands, hex and decimal equivalents, and error signals. Industrial Computer Source. Circle 552.

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