



### Electrophoresis Apparatus

Sequencing Electrophoresis Cell A is constructed of Plexiglas. It is suited for nucleotide sequencing, restriction mapping, and other analytic and preparative techniques. The cell supports two platinum wire electrode compartments and a large vertical slab gel. Gel sizes range from 40 by 33 cm or 40 by 20 cm for 0.5- or 1.5-mm thick analytic gels and 3.0- or 6.0-mm thick preparative gels. It is designed for use with a wick to contact the top of the gel with the top electrode. Used with "wells" (channels in which the sample may be fractionated) and a long, 38-cm electrophoresis path, gels can resolve complex mixtures of RNA and DNA fragments in up to 20 samples simultaneously. Dan-Kar. Circle 556.

### Laboratory Jack

Model 6000 weighs 1.5 pounds. It is constructed of molded parts comprised of glass-filled polypropylene, PTFE, and polyetherimide. These materials are light and self-lubricating and have a high dielectric constant. They are nonsparking and nonmagnetic. Height is easily adjusted (3.5- to 12-inch vertical adjustment). The device will support up to 15 pounds. Model 6000 is suited to corrosive, caustic, or humid environments and may be used where electrical discharge might be a problem. Users of nuclear magnetic resonance equipment may position materials and devices near the console where magnetism might be a problem. Poly-Jaque. Circle 558.

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 (on pages 126A and 198A) and placing it in a mailbox. Postage is free.

—RICHARD G. SOMMER

### DNA/RNA Labeling Reagent

Photoprobe Biotin is a reagent for labeling single- or double-stranded DNA, RNA, or proteins. It requires a photoactivation step to produce stable, nonradioactive hybridization probes for use with a variety of enzymatic or fluorescent detection systems. This reagent avoids nick translation. Hybridization probes may be employed with biotin-avidin-based systems. Vector Laboratories. Circle 563.

### Ultrafiltration

Novacell is a disposable stirred cell for small volume applications (up to 10 ml). Nova Series membranes are encapsulated and integral. There is no O-ring bypass. Holdup volume is less than 200  $\mu$ l. Novacells are color-coded by nominal molecular weight limits (3, 5, 8, 10, 30, 50, and 100K). The Novacell system includes a storage cap and stand. Filtron. Circle 560.

### Immunocytochemistry Labels

AuroProbe LM is a gold probe and silver enhancement labeling system. There is no enzymatic development with potentially carcinogenic substrates. Unlike indirect immunofluorescence, AuroProbe LM is a permanent mark and does not require a special microscope. It is clearly distinguished as dark small particles on the cell surface under a bright field. Under epipolarization visualization of the gold-labeled cells is easy. This enhances morphologic recognition and counting. AuroProbe LM with silver enhancement amplifies the characteristic red signal of gold in histologic sections. These probes are available conjugated with the most-used affinity-purified antibodies. Janssen Life Sciences Products. Circle 561.

### Plasma Emission Spectrometer

Plasma 300 is an ion-coupled plasma device that offers fully automated operation and a data management system. Automated functions include plasma ignition and shutdown, plasma power level, plasma gas flow, sample delivery and washout, optical systems, detection and readout systems, and safety interlocks. It may be tailored to work load with either of two monochromators or with both. One is an air-path double monochromator (190 to 900 nm); the other is a vacuum monochromator (160 to 500 nm). Variable torch observation height is computer-controlled element by element. The data management system is IBM PC-based with a custom report generator and 16-color graphics capacity. Allied Analytical Systems. Circle 559.

### Chemical Structure Software

Molecular Presentation Graphics is a software package designed to enable chemists to draw chemical structures with function keys. It is designed for use with the HP 150 or IBM PC and will permit the operator to create a library of chemical structures for display, plotting, or integration with text in reports. Plotters are commanded to draw from point to point rather than with character set symbols. Hawk Scientific Systems. Circle 562.

### Literature

*Temperature and Process Equipment* is detailed in an extensive product guide. Eurotherm. Circle 564.

*Freeze Dryers* features a selection guide to determine appropriate apparatus based on the user's application. FTS Systems. Circle 565.

*Photomicrography*, an 84-page booklet illustrated in full color, explains how to improve photography through the microscope. Price is \$5. Olympus. Circle 566.

*The Filter Book* is a laboratory filtration catalog with an applications guide. Gelman Sciences. Circle 567.

*Plastics* describes principal properties of more than 8200 commercially available plastics. Price is \$125 for this 1232-page book. International Plastics Selector. Circle 568.

*Scientific Software* features ENZLAB for enzyme kinetics teaching, STAT-STREAM for statistical analysis, and EXPERT 4, an expert system shell. Elsevier-BIOSOFT. Circle 569.

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## PRODUCTS AND MATERIALS

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