

Genetic Databases on Optical Disks

LASERGENE is an optical disk that contains the complete GenBank database and the National Biomedical Research Foundation's Protein Identification Resource database as well as molecular biology software. The disk, which is resistant to heat, moisture, magnetic fields, scratches, and x-rays, holds as much data as 1444 floppy disks. Searching an entire database takes only a few seconds. Full updates of the databases are released four times a year. LASERGENE operates with IBM PC and compatible computers with an optical disk player. DNA-STAR. Circle 525.

Colorimeter

The μ -Colorimeter reads the absorbance or concentration of samples directly from microcuvette strips. The instrument's controls consist of two buttons; a liquid-crystal display guides the user through the measurements. As many as 12 wells may be measured and the results downloaded to a personal computer or printer by means of an RS-232 interface. Interchangeable interference filters are available in wavelengths from 400 to 700 nm. Whatman LabSales. Circle 526.

Dideoxy Sequencing Enzyme

Sequenase is an enzyme derived from T₇ DNA polymerase and is specifically engineered for chain-termination sequencing reactions. This enzyme and its protocol result in sequencing gels with uniformly labeled bands and reduced background. Sequences of as many as 600 nucleotides may be read from a single experiment. The enzyme can use deoxyinosine triphosphate to eliminate compressions and other secondary-structure gel artifacts. United States Biochemical. Circle 528.

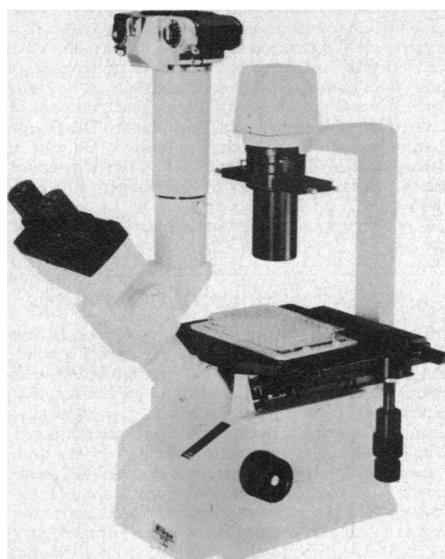
Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement 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.

Electrophoresis Power Supply

The ISS-1500 is a power supply for two-dimensional electrophoresis. It can deliver as much as 750 W. Dual transformers provide 1500 V for isoelectric focusing and 1500 mA for sodium dodecyl sulfate-polyacrylamide gel electrophoresis and Western blotting multiple gels. The ISS-1500 has solid-state electronics and a digital display. Integrated Separation Systems. Circle 533.

Photomicrographic Instrument

The TMS-F is a trinocular inverted microscope with a single-lens reflex camera. A single knob can divert all the light to the photo tube for photography or closed-cir-



cuit television. Magnification of $\times 4$ to $\times 40$ of samples in roller bottles, flasks, Petri dishes, microtiter plates, or slides are possible. Long working distance phase-contrast objectives eliminate distortion caused by plastic vessels. Nikon, Instrument Group. Circle 649.

Programming Language Pop-Up Help

The On-Line Programmer's Guides are memory-resident software utilities meant to replace programming language technical manuals. Each Guide can be popped up within an editor or other application program to give cross-referenced programming help. The help may be displayed on a half screen so that the user's work is still visible. The On-Line Programmer's Guides are

available for Assembly, BASIC, C, and Pascal languages and operate on IBM PC-compatible computers with DOS 2.0 or higher. Peter Norton Computing. Circle 529.

Prepared Buffers for Electrophoresis

Three buffer solutions are available already mixed for use in electrophoresis. 10 \times TBE Sequencing Buffer Concentrate is a solution of 1.0M tris-borate with pH 8.3 and 20mM ethylenediaminetetraacetate for preparation of nucleic acid sequencing gels. SDS-PAGE Tank Buffer Concentrate is a solution of 0.25M tris base, 1.92M glycine, and 1% sodium dodecyl sulfate (SDS) for use as the tank buffer in SDS and polyacrylamide gel electrophoresis procedures. Transfer Buffer Concentrate is a solution of 0.25M tris base and 1.92M glycine for use as the tank buffer in electrophoretic blotting procedures. All the buffers are mixed with distilled, deionized water. National Diagnostics. Circle 530.

Entry-Level Color Plotters

The VS3000 is a series of electrostatic color plotters with 4 megabytes of random-access vector memory. The RS-232C serial interface accepts vector data, and the Centronics parallel interface accepts data in the Versatec Data Standards format. The plotters are available with resolutions of either 200 or 400 points per inch and with media widths of 24, 36, or 44 inches. Versatec. Circle 534.

Literature

Biochemicals is a catalog listing 1800 products for molecular biology, immunology, cell biology, and biochemistry as well as analysis data, storage information, and possible applications. Boehringer Mannheim Biochemicals. Circle 538.

Molecular Biology Reports is a newsletter containing articles on topics such as sequencing, mutagenesis, cloning, electroporation, and blotting. News on related products is included. Bio-Rad Laboratories. Circle 539.

Micropositioning Systems for Precision Positioning, Measurement & Control is an eight-page brochure that describes an inchworm motor controller, low-voltage piezoelectric actuators, an integral encoder stage, and accessories. Burleigh Instruments. Circle 541.

Science

Products & Materials

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