

Agarose Gel

NuSieve GTG Agarose is an agarose with a low melting temperature that finely resolves nucleic acid fragments of 8 to 1000 base pairs. Ligation and transformation can occur directly in remelted agarose gel without the usual DNA-purification step, reducing the chance of sample loss and saving the researcher time. FMC BioProducts. Circle 560.

Electrophoresis for Large DNA Molecules

The Pulsaphor System is an apparatus that separates with high resolution DNA molecules of more than 5 million base pairs. Small DNA fragments may also be finely resolved. The system, comprised of an electrophoresis unit and a control unit, uses the technique of pulsed field gel electrophoresis. The Pulsaphor maintains the correct temperature, field strength, pulse time, and field shape throughout separation. LKB Instruments. Circle 554.

Biotinylation Reagent

Photoprobe Biotin is a form of biotin activated by visible light that may be used to label nucleic acids covalently. Because no radioactive chemicals are involved, the probe requires no safety precautions and no special disposal methods. Also, Photoprobe may be stored for as long as 1 year without loss of activity. Vector Laboratories. Circle 556.

Serial Transfer Kit for Computers

LAP-LINK is a high-speed serial transfer kit that can link IBM PCs, laptop computers, IBM Personal System/2 computers, and IBM PC-compatible computers. The kit contains a universal molded serial cable and both 5.25-inch and 3.5-inch disks, and it operates at 115,200 baud. The program checks all data for accuracy and retransmits

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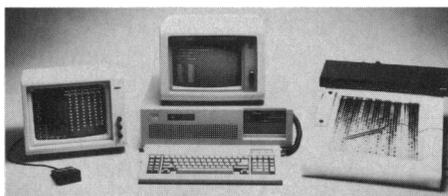
in the case of error. LAP-LINK also functions as a disk management utility that enables the user to select the display order of files, display and copy hidden files, tag files for copying or erasing, and add and remove directories. Traveling Software. Circle 561.

On-line-Search Tutorials

STN Mentor is a series of personal computer tutorial disks that teach the user how to search STN on-line databases. The disks simulate real searches, so that the user can practice without incurring on-line and connect charges. The first disk of the series, STN Mentor: STN Overview, assumes the user has no knowledge of either computers or on-line services, and it is free. STN Mentor operates on IBM PC and some compatible computers with 256 kilobytes of random-access memory and MS DOS 2.0 or later. STN International. Circle 562.

DNA Sequencing and Analysis Workstation

The Gene-Master DNA workstation comprises both hardware and software for DNA sequence entry and analysis on the IBM AT computer. Items in the Protein Identification Resource Database may be accessed by keyword in less than 10 seconds, and pro-



tein sequences may be compared directly with those in the database. Also included are programs for Chou-Fassman secondary structure, hydrophobicity plots, reverse translation, molecular weight, and alignment. Bio-Rad Laboratories. Circle 558.

High-Capacity Data Tape Cartridge

Magnetic tape cartridges for data backup that take advantage of modern high-performance tape drives are available. When used with existing drives, these 0.25-inch tapes store 120 to 133% as much data as regular tapes. Also, the tape's tension during recording is not created by drag friction; this eliminates the buildup of heat and ensures consistent speed and reduced redeposition of debris. Cartrex. Circle 579.

Video Image Analyzer

The VIDEOMEX-V is a video picture acquisition and analysis apparatus equipped with a 68000 processor. It has been designed for rapid processing of behavioral data. The VIDEOMEX-V can function as a stand-alone analyzer or can be interfaced to other computers with an RS-232 port for data storage. Several software programs for image processing reside on the analyzer's board. The analyzer acquires and processes pictures at 30 frames per second with a resolution of 256 by 192 pixels. A zoom lens allows the analyzer to measure the activity of any size animal, from a fruit fly to a horse. Columbus Instruments International. Circle 563.

Large-DNA Electrophoresis Apparatus

The GeneLine electrophoresis system resolves DNA molecules of as many as 9 million base pairs. The system uses a pulsed field gel electrophoresis technique called transverse alternating field electrophoresis that yields perfectly straight lanes and allows precise size calculations. The electrophoresis chamber may be used for both separation and electroblotting, minimizing physical stress on the gels. Beckman Instruments, Spinco Division. Circle 564.

Literature

The *bR Grade Peptides and Antibodies* catalog features reagent- and bioassay-grade peptides supplied with a full amino acid analysis, the net peptide content, a high-performance liquid chromatography analysis, and solubility information. Cambridge Research Biochemicals. Circle 570.

The Scientific & Engineering Software Guide lists over 100 application and development software packages for personal computers. Lifeboat Associates. Circle 572.

Immunological Reagents is a catalog of 1500 biological and immunological reagents, including monoclonal and polyclonal antibodies, antilectin antibodies, and peptide antisera. Bioproducts for Science. Circle 573.

Courier is a quarterly newsletter covering supplies for life science research. Beckman Instruments, Bioanalytical Systems Group. Circle 574.

The *Guide to Frozen Competent Cells* is an eight-page brochure featuring information on six competent cell hosts and their applications. Bethesda Research Laboratories, Life Technologies. Circle 575.

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