

Program for Drawing Chemical Structures

ChemWindow, a Microsoft Windows application, allows the user to draw a chemical structure and transfer it to a word-processing document without leaving the word processor. The program has tools for drawing symbol strings, ten bond types, and five straight arrows, which include reaction, equilibrium, resonance, dashed, and retrosynthetic. It has an undo facility and on-line help. The program runs on IBM-compatible computers and requires 512K random access memory, a hard disk drive, mouse, and graphics adapter. Softshell International. Circle 459.

Monoclonal Antibodies

A new panel of monoclonals is available for labeling human leukocytes for flow cytometry and histology. More than 70 monoclonals to different rat antigens, many of which are available as direct conjugates of fluorescein and *R. phycoerythrin*. Serotec. Circle 454.

A new monoclonal antibody specific for HTLV-I envelope does not cross-react with HTLV-II- or HIV-I-infected cells. Other monoclonals available are specific for HTLV-I core proteins, HIV-1 core and envelope proteins, interleukin-2 receptor (CD25), β_2 -microglobulin, human lymphocyte antigens, human cytokines, and T4 (CD4). Circle 455.

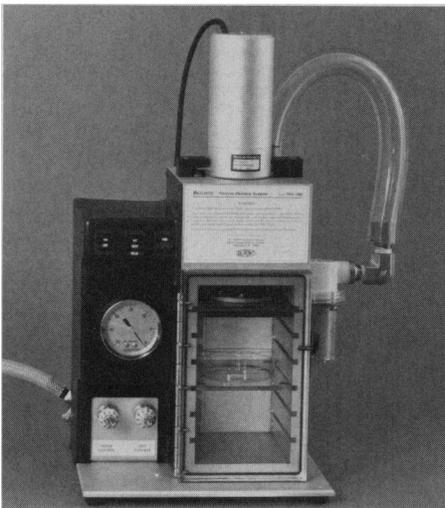
An hCG β monoclonal antibody displays low cross-reactivity with human leutenizing hormone, follicle-stimulating hormone, and thyroid-stimulating hormone. Fitzgerald Industries International. Circle 456.

Monoclonal mouse antibody to human immunoglobulin E (IgE) is intended for the detection of IgE-forming plasma cells, atopic mast cells with bound IgE, and IgE-secreting multiple myeloma. Anti-IgE reacts with the heavy (ϵ) chain present in all types of human IgE. Dako Corp. Circle 457.

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.

Delivery System for Cell Injection

The "Biolistic" PDS-1000 particle delivery system inaugurates the next generation of instruments for injecting genetic or biological substances directly into cells and tissues. The process has been used in transformation of agricultural and nonagricultur-



al plants, yeast, algae, organelles, and mammalian cells. The Biolistic system delivers microcarriers coated with a biological substance. The carriers are accelerated at high velocity inside a vacuum chamber so they penetrate thousands of cell walls and membranes simultaneously with an even distribution of the substance. Actual entry into cells takes place in less than 1 μ s. The model has several new features, including a better initiator mechanism, an interlock safety device, vacuum flow valves, and push-button action controls. Du Pont. Circle 451.

Plastic Slide Case

The Delton Slide Case protects slide specimens. The lightweight, polypropylene case features a fingertip cavity for safe insertion and removal of the slide and four clasps to enclose it. Inside ribs suspend the slide, preventing the specimen from contacting the interior walls of the case. Delton Scientific. Circle 464.

Data Acquisition and Analysis Software

PATCH (for IBM PC-AT or compatibles) is a software package that can acquire and analyze data that is repetitive in form but varies in shape, size, and time correlation (for example, single-channel patch

clamp data, postsynaptic potentials, extracellular signals, and electrocardiograms). PATCH can stimulate, record, and digitize incoming data. It can analyze data, fit curves, and display and print publication-quality graphics. Medical Systems Corp. Circle 458.

Genome Qualified Restriction Enzymes

Genome Qualified Restriction Enzymes offer a new level of quality assurance and application guidance for scientists requiring the highest quality restriction enzymes in the mapping of chromosomal DNA. The manufacturer has tested the enzymes for optimal performance on bacterial and *Neurospora* chromosomal DNA templates embedded in agarose. Chromosomal DNA preparation, digestion, and gel separation parameters have been optimized to guarantee clean digestion products free of degraded background. Promega. Circle 461.

Literature

Kewaunee Silhouette Series describes the Silhouette Series of wood laboratory furniture, featuring a variety of finish colors and a contoured look with machined, recessed pulls on drawers and doors. Kewaunee Scientific Corp. Circle 440.

The fall 1989 *PC Data Acquisition Systems Handbook for Scientists and Engineers* contains many new products for data acquisition and instrument control. Included in this edition are multiport serial boards, IEEE-488 interfaces, digital oscilloscope boards, and PC expansion chassis for use with IBM-compatible, IBM Micro-Channel, and Macintosh computer systems. CyberResearch. Circle 490.

Charge-Coupled Devices for Quantitative Electronic Imaging is a 30-page booklet that describes the theory and application of charge-coupled device (CCD) imagers for applications demanding high linearity and dynamic range. CCD performance limitations are fully discussed, together with calibration and noise-reduction techniques. Photometrics. Circle 491.

Extech Instruments 1990 is a catalog of test and measurement instruments. Complete specifications, pricing, and full descriptions are given for many new hand-held and benchtop meters for water-quality testing in the field or laboratory. The line includes thermometers, pH meters, pH and oxidation-reduction potential electrodes, viscoseters, and refractometers. Extech Instruments. Circle 498.

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