

Desiccator Cabinet

Model H42053 provides a dust- and moisture-free environment for the storage and protection of samples, chemicals, specimens, or electronic components. It is constructed of injection-molded, high-impact polystyrene for transparency, rigidity, and strength. Units may be stacked to conserve bench space. They may also be refrigerated. Bel Art Products. Circle 589.

Rapid Detection of Mycoplasma in Tissue Culture

A DNA probe assay is available that may be used to screen tissue cultures and media for mycoplasma contamination. The assay may be performed and the results analyzed in less than 1 hour. Artifacts from mycoplasma may affect the results of tissue culture experiments. Previous means of detection required days or even weeks to complete. In this assay, ribosomal DNA is detected by in-solution hybridization to a tritium-labeled complementary DNA probe. Hybridized probe is separated by adsorption onto hydroxyapatite and quantitated with a scintillation counter. All mycoplasma, achleplasma, and spiroplasma species tested have reacted positively with the probe. Gen-Probe. Circle 590.

Monoclonal Antibody for Lymphoma Identification

The Histoclone lymphoma set is a panel of four murine monoclonal antibodies: LN-1, LN-2, LN-3, and a control. They may be used to identify malignant B lymphoid proliferations in frozen sections or in paraffin-embedded sections. They are used with immunoperoxidase techniques. Monoclonal antibody LN-1 recognizes a surface membrane antigen found primarily on germinal center B lymphocytes. Monoclonal antibody LN-2 recognizes a nuclear membrane protein expressed in mantle zone and germinal center B lymphocytes as well as interdigitating histiocytes in reactive lymph nodes.

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 674B and 774B) and placing it in a mailbox. Postage is free.

Monoclonal antibody LN-3 recognizes an HLA-Dr (Ia-like) antigen on the surface of B lymphocytes of the germinal center and mantle zone and interdigitating histiocytes in the interfollicular zones of the lymph node. T lymphocytes are not identified by LN-1, LN-2, or LN-3, but activated T cells may express HLA-Dr and may therefore be positive for LN-3. Used as a panel, these antibodies are useful in phenotyping malignant lymphomas because they classify diffuse lymphoid proliferations as T-cell or B-cell in origin and they establish the architecture of lymphoid proliferations. A complete explanation of the procedure accompanies each panel. Techniclone International. Circle 593.

Software for Fast Fourier Transform

Fourier Perspective II is designed for IBM PC XT or AT and compatible devices. It is useful for Fast Fourier Transform analysis, digital filtering, and frequency analysis. It is menu-driven with one- and two-dimensional operations including convolution, deconvolution, apodizing windows, power spectrum, cross spectrum, autocorrelation, cross-correlation, median window filter, and other manipulations. Graphics in two and three dimensions provide immediate visualization and printing. No additional programming or compiling is required. The system must have MS-DOS 2.0, 256 Kbyte of memory, two disk drives, IBM color card, or Hercules Monochrome graphics card, and 8087 math coprocessor is recommended. Alligator Transforms. Circle 594.

Software for Turbo Pascal Programming

Two packages are available on IBM PC-compatible disks in Pascal source code which may be compiled with IBM PC XT or AT Turbo and Turbo 87 Pascal revisions 3.0 and higher. The General Science and Engineering package (IPC-TP-006) includes procedures for general statistics, multiple regression, curve fitting, integration, Fast Fourier Transform, file transfers to Lotus 1-2-3, solving simultaneous equations, and matrix math. It also offers linear programming, data smoothing, and graphics. The Turbo Pascal Data Acquisition and Control package supports IBM DACA and Cyborg Isaac 411 and Cyborg Isaac 911 (IPC-TP-007) or the Metrabyte DASH-8 and DASH-16 (IPC-TP-008). Procedures are supplied for analog input and output, digital input and output, thermocouple linearization, PID control, real-time graphics, and

Fast Fourier Transform. Two menu-driven utility programs, Turbo LABLOG and Turbo HSDAS, may be used for data-logging, acquisition, process control, and real-time graphics. Quinn-Curtis. Circle 602.

Leak Detector

The Spectron 3000S-SF is designed to test small sealed devices rapidly. Single-button control implements calibration, timing, test-mode selection, ranging, start-up, and close-down. Leak rate is indicated in digital or analog modes. There are two optional chambering accessories. The Flip-Top chamber accepts the object on a baseplate. The chamber is lowered to make an effective seal. After the test, the chamber springs back for reloading. The Stick chamber is mounted for horizontal loading to prevent the loss of small objects in a vertical chamber. Edwards High Vacuum. Circle 592.

Literature

Photon-Counting Spectrofluorometer lists features and specifications of the SLM 8000C and its components and capabilities including new means of data processing. SLM Instruments. Circle 586.

HPLC Solvent-Handling System is devoted to Ultra-Ware reservoirs and accessories with a photograph and diagram system to describe various options for optimum arrangement. Kontes. Circle 587.

Cannula Systems explains in detail a line of single- and dual-fluid infusion swivels, attachment methods, and connection accessories for in vivo research. Instech Laboratories. Circle 588.

Mass Spectrometry is a wall chart that highlights the basic principles of the technique and describes the function of a mass spectrometer. Kratos Analytical. Circle 584.

Process Control and Measurement are treated in a set of four handbooks and encyclopedias with more than 30,000 products for scientists, engineers, and technicians. The four topics are: Temperature Measurement, Pressure and Strain, Flow and Level, and pH and Conductivity. Omega Engineering. Circle 585.

Reagents for Virology and Immunology details the Cytimmune line for research applications. Services are described for identification and assay of interferons, anti-interferons, and related substances. Lee Biomolecular Research Laboratories. Circle 603.

Chromatography includes products for sample preparation, columns and packings, plates and sorbents, solvents, and a wide range of materials for biotechnologic applications of separation science. J. T. Baker Chemical. Circle 604.

Science

Products & Materials

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