



Radioimmunoassay Counter

RiaGamma requires no special skills to operate. It features a 2-inch detector with automatic continuous stabilization. Its capacity is 1500 samples and it is microprocessor-controlled. Up to 32 assay protocols may be stored. Data reduction includes standard plots plus quality control data for more than 20 different programs, a variety of special functions, and on-line interaction with other processors. Many programs are available for most applications. LKB Instruments. Circle 555.

Thin-Layer Chromatography Spotter

An automated device will simultaneously apply 16 samples to a thin-layer plate. Inexpensive, disposable porous wicks enable this instrument to achieve accurate, uniform multiple spotting. Sample material is transferred to the wicks which are inserted in a wick bar and placed over a reservoir that contains a spotting solvent. A plate is placed over the wicks and pressed to deposit a row of compact uniform spots on the plate. Durable construction and the use of only two moving parts contribute to economical, reliable operation. Hydrophilic or hydrophobic wicks are available. J. T. Baker Chemical. Circle 556.

Electrophoresis Separation System

Modulophor interfaces modules for all analytical and preparative electrophoresis. Gel tubes or slabs may be analyzed on one unit in any plane. Features include interchangeable gel column mod-

ules, uniform electrode vessel modules, and variable capacities from 1 to 105 gel tubes or from 1 to 8 gel slabs. Buffer may be applied in a closed system or in a flow through in three planes. Notched or beveled glass plates are not required. Helena Laboratories. Circle 557.

Human T-Cell Growth Factor

Interleukin 2, catalog number EAB-451, is available from concanavalin A-stimulated cells of buffy coated mice. This product maintains the proliferation of mouse and human cells of the T lineage. The growth factor is prepared in serum-free minimum essential medium and is supplied as a sterile lyophilized powder. Each vial contains 2500 half-minimum units of activity as determined on mouse CTTL cells. Studies with labeled concanavalin A indicate that at least 95 percent of the mitogen has been removed. Enzo Biochem. Circle 559.

Preparative System for Fast Chemical Reactions

Model D-133 permits the study of fast chemical reactions that lack a suitable optical probe. A triple reactant flow system employs dual mixers to combine the two reactants of interest and then add the third reactant to quench the reaction. The final product is collected for analysis. A variable delay line and electronic delay provides control of the time elapsed between the two mixings. By varying this interval, the operator may plot the reaction rate. Dionex. Circle 560.

DNA Sequencing Vectors

M13mp8 and M13mp9 are M13 *lac* cloning vectors. These vectors differ from the widely used M13mp7. In addition to the Eco RI, Bam HI, Acc I, Sal I, Hinc II, and Pst I sites of M13mp7, these vectors contain Xma I, Sma I, and Hind

III sites. Each of these nine cloning sites occurs only once within the gene-encoding β -galactosidase. Therefore, cloned fragments may be selected on the basis of color on an indicator plate. In addition, "forced cloning" or the insertion of a fragment with two different termini is possible. The cloning sites in M13mp8 are oriented in the opposite direction from those of M13mp9; thus, the orientation of a cloned fragment may be determined by selection of the appropriate vector. New England Biolabs. Circle 558.

Hematology Analyzer

Sysmex CC-720 automatically determines and reports seven blood cell parameters. An autosampling turntable mixes and aspirates one sample each 33 seconds or up to 110 samples per hour. The instrument's microprocessor monitors the function of the device and the status of samples. Mode of operation may be selected from automatic, whole blood manual, and diluted microsampling. All internal blood-handling surfaces are thoroughly rinsed at the completion of each cycle. A video monitor displays results and error messages and interacts with the operator. American Scientific Products. Circle 561.

Literature

Chemistry Analyzer describes the Hitachi 705 for clinical analysis of samples. Boehringer Mannheim Diagnostics. Circle 563.

Chemical Kits offers surfactants, plasticizers, organic solvents, amino acids, biological stains, pollution standards, and others. Chem Service. Circle 564.

Chromatography Chemicals also features equipment and accessories for gas, liquid, and thin-layer technologies. Analabs, unit of Foxboro Analytical. Circle 565.

AutoSampler describes ISIS, a module for use in atomic absorption and emission spectroscopy, high-performance liquid chromatography, ultraviolet and visible spectroscopy, colorimetry, and other techniques. ISCO. Circle 566.

Laboratory Equipment and Apparatus is a complete catalog of several product lines that features over 40 major products. Labconco. Circle 567.

Respirator Decontaminator is devoted to the automatic model 512, a device that cleanses respirators without requiring that they be disassembled. Wave Energy Systems. Circle 568.

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 110A and 206A) and placing it in a mailbox. Postage is free.

—RICHARD G. SOMMER

PRODUCTS and MATERIALS

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