

Camera System

The MP 4+ is a multipurpose copystand camera system for scientific and medical imaging applications. The modular system has an extensive selection of accessories and three new lighting options, enhancing its ability to function as an instant copystand for photomicrographic and photomacrographic imaging, an off-stand studio or laboratory view camera, or a 35-mm copystand. The standard system consists of a camera body, fixed column with an overall height of 46 inches, standard 18 inch by 23 inch laminated baseboard, reflex viewer lens for easy focusing and eye-level viewing, contour hood, ground glass, shutter, and film holder. Polaroid Corp. Circle 92.

Plasmid DNA Isolation

Pro-Cipitate, an insoluble polymeric reagent, is an alternative to phenol/chloroform in the removal of contaminating proteins from DNA preparations. It offers high-plasmid DNA purity and yield from bacterial lysates, a stable shelf life, no exposure to toxic solvents, and no residual reagents in supernatant. The re-

agent can be directly incorporated into most standard protocols for DNA and RNA isolations. Affinity Technology. Circle 93.

Preparative Chromatography System

The PrepLC 2000 Preparative Chromatography System is a fully integrated and automated system for preparative purification and isolation. It performs a variety of tasks ranging from the purification of organic synthesis and natural products to the isolation of peptides and proteins. Features include gradient solvent delivery, automated sample injection, and a recycle feature that allows the user to conserve solvent by recycling the difficult to separate compounds through the system and to achieve better resolution with each pass; flow rates from 4 to 300 ml/min; 2000-psi back-pressure capability; and manual or automated fraction collection. Millipore. Circle 94.

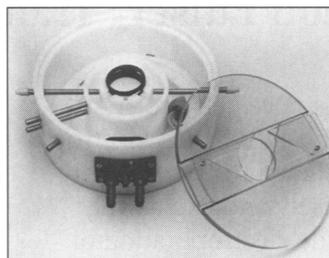
Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement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

Stopped-Flow Spectrofluorimeter

The SF-61mx Multi-Mixing Stopped-Flow Spectrofluorimeter introduces a flexible double-mixing apparatus for improved performance. Features of the system include the use of a unique fused silica multimixing manifold that reduces prime volume and reduces the use of Teflon in the sample flow circuit to confer true anaerobic performance. Aging times for reaction mixtures are under full control of the operating software and can be adjusted from 10 ms upward. Hi-Tech Scientific. Circle 95.

Tissue Chamber

InVitro-1 is a bench-top environmental chamber designed to keep eukaryotic tissue alive for several days during electrophysiological experiments. While designed to study single nerve cell activity in a thin slice of mammalian central nervous system tissue, InVitro-1 can maintain any tis-



sue. Tissues can be of plant or animal origin and can range in complexity from simple multicell single layer organisms to complex three-dimensional organ systems. The chamber consists of two concentric rings surrounding a central chamber, allowing for accurate control and rapid manipulation of the perfusion medium's temperature and gas content, while monitoring temperature, pH, and dissolved oxygen. World Precision Instruments. Circle 96.

Mass Spectrometry System

The M-1000 LC/QMS instrument is a liquid chromatography/atmospheric pressure chemical ionization mass spectrometry system that features atmospheric-pressure chemical ionization (APCI) and electrospray ionization (ESI). APCI offers high sensitivity and a variety of ion-molecule reactions can be utilized for added sensitivity. Because ESI can produce multiple charging of analyte species, high molecular weight compounds can be analyzed using a nominal range mass analyzer. The combination of these interfaces with the separation power of modern liquid chromatography equips the M-1000 for challenging research problems. Hitachi Instruments. Circle 97.

Literature

High Performance Columns for Affinity Chromatography is an eight-page brochure that describes in detail the TSK-GEL AFC line of columns developed for the selective purification of proteins and other biomolecules. The bulletin summarizes the properties of 39 affinity columns and packings and includes 12 chromatographic applications examples. The series is especially suited to large biomolecules. TosoHaas. Circle 98.

A comprehensive "Laboratory Safety Reference Guide" has been added to the 1992 *EM Science Products Catalog*. The 44-page guide includes a review of spill and exposure classifications for 22 hazardous chemical groups, spill treatment procedures, and a reference list of incompatible chemicals. The catalog describes analytical and high-purity reagents, solvents, and acids; instrumental standards; moisture determination systems; chromatography products; and laboratory safety products. EM Science. Circle 99.

News from the Planar Chromatography Front is a newsletter for the thin-layer chromatographer. Camag Scientific. Circle 100.

Science

PRODUCTS & MATERIALS

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