

Benchtop Monitoring of DNA Labeling

The Bioscan Quick-Count performs immediate quantitation of radioisotopes without scintillation fluid. This quick, benchtop method for monitoring ^{32}P incorporation into DNA avoids the delay and inconvenience associated with the use of shared scintillation counters. The unit is available for one-tenth the cost of most scintillation counters and occupies less than 1 square foot of bench space. The Quick-Count with Flow Analysis Module can count the output directly from chromatography columns with an efficiency of approximately 40%. It provides immediate information on separation quality and percentage of ^{32}P incorporation without pipetting or sample preparation. Bioscan. Circle 467.

Liquid Chromatographs

The HP 1090 Series II/L HP 1090 Series II/M liquid chromatographs extend Hewlett-Packard's line. The Series II/L is designed for analysts running a high volume of samples using established methods. In automated operation, periodic calibration of standards is available. All functions can be controlled from one simplified built-in keyboard. The Series II/M contains automated optimization software and a new quaternary solvent delivery system for greater speed and flexibility in developing and testing analytical methods. The sensitivity and selectivity of the models' diode array detector have also been enhanced. Hewlett-Packard. Circle 470.

Portable GC-MS Instruments

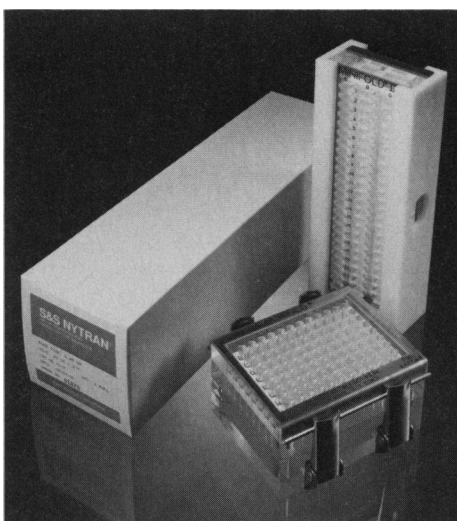
The SpectraTrak 600 is a portable gas chromatograph (GC)-mass spectrometer (MS). Shock-mounted in a weatherproof case, the unit is designed for transport to remote field sites by jeep, aircraft, or other vehicle, and can be set up in minutes. Ana-

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lytical performance is comparable to that of benchtop systems. The SpectraTrak 700 is a similar model designed for automated real-time monitoring at stationary field or industrial locations. The model is installed in a weatherproof cabinet with an external computer control station and is available with multipoint sampling, networking, and remote-control capability. Viking Instruments. Circle 469.

Nylon Transfer Membranes

The Nytran nylon transfer membrane has a smooth transfer surface. Nytran gives sharp clear bands with a minimum of non-specific binding of probe material for im-



proved signal-to-noise ratio. It has a high binding capacity over a wide range of fragment sizes and high sensitivity to detect low concentrations of nucleic acid. Schleicher & Schuell. Circle 464.

Micromanipulators

The MX200 Series Micromanipulators enable quick and accurate placement of micropipettes, microprobes, and small tools. Submicrometer positioning capability makes them suited for critical applications such as patch-clamp recordings, microinjection, and manipulation of small cells. They feature all-stainless steel linear stages with thermally matched crossed-roller bearings for drift-free stability. Their design incorporates five axes of motion. The Model MX300 Series Huxley-style Micromanipulators incorporate advanced features, including five axes of coarse and three axes of fine movement. Submicrometer adjustment is made possible by ultrahigh-resolution manual drives. Newport BioInstruments. Circle 481.

Safe Lab Waste Disposal

The Pipet Tip Retainer can be used safely and conveniently to dispose of used pipette tips, laboratory gloves, sample tubes, and filters. The user simply flips up the top that covers the dispensing hole and drops the refuse into the box. Users never need touch items exposed to blood, chemicals, or other biological hazards. The entire top cover lifts off for each disposal of larger items such as plastic gloves or lab tissues. Isolab. Circle 472.

Fast Reusable Cartridges

RapidChanger reusable cartridges allow rapid (2 min) desalting and buffer exchange of protein or nucleic acid samples and removal of unincorporated isotope or free nucleotides from protein or DNA-labeling reactions. The syringe-loaded cartridges exhibit tight elution peaks and reproducible sample volumes, allowing the user to know when to begin and end sample collection. The cartridges are available in two sizes, for 50- to 200- μl samples or 250- μl to 1-ml samples. The autoclavable cartridges can be reused 20 times. Promega Corp. Circle 476.

Literature

Refrigerators/Freezers is a 16-page listing of a complete line of explosion-proof, flammable material storage, and chromatography refrigerators and freezers. The catalog provides complete descriptions on construction features, temperature ranges, volumes, electrical requirements, chamber and exterior dimensions, and weights. Lab-Line Instruments. Circle 520.

Plug-In Data Acquisition Boards—Overview, the first in a series of "Technical Tips" publications, discusses inputs, acquisition and conversion, analog outputs, control, peripheral functions, formulas, diagrams, and terms. Keithley MetraByte. Circle 494.

Specificity Reference Reagents for Human Immunoglobulins is a bulletin covering the technical data, characteristics, and applications of a complete line of specificity reference reagents for the isotyping of human immunoglobulins and specific antibodies in cells, tissues, and body fluids. Nordic Immunological Laboratories (USA). Circle 521.

Product Specification, Immunological Reagents to Mouse Immunoglobulins covers the purity, antibody specificity, cross-reactivity, and performance testing of these products. The preparations are specific to mouse immunoglobulin isotypes (classes, subclasses, lambda chains). Nordic Immunological Laboratories (USA). Circle 522.

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Science **249** (4976), 1598.
DOI: 10.1126/science.249.4976.1598

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