

## Direct-Reading Emission Spectrometer

The ICAP 61E is a direct-reading emission spectrometer with a durable 0.75-m polychromator for simultaneous multielement analysis. The ICAP 61E spectrometer offers a higher degree of automation than



any other direct-reading spectrometer, with an IBM Personal System/2 Model 50Z computer controlling the entire operation. With full computer control, the analytical conditions are consistent from one operator to another. Thermo Jarrell Ash. Circle 552.

## Fume Hood Needs No Outside Vent

The Alchemist ductless fume hood has a new multiple filter system that removes a wide range of nonexplosive gases, liquids, and solids. Air passing through the chamber need not be vented to the outside but can be safely returned to the room. Hotpack Corp. Circle 555.

## Photochemical Reactor Enhances HPLC Detection

A new high-performance liquid chromatography (HPLC) photochemical reactor called the Beam Boost offers subnanogram levels of detection without the disadvantages of pre- or postcolumn derivatization techniques. The unit is placed between the

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.

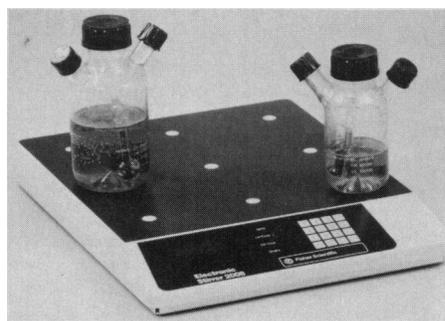
column and any ultraviolet, photodiode, or fluorescence detector. A knitted configuration of the Teflon coil around a 254-nm or 366-nm lamp produces increased detector response of 10- to 200-fold. Typical chemical changes include rearrangements, dimerizations, degradation, and ion formation resulting in stable molecules of higher quantum yield. The results are fast and reproducible. Advanced Separation Technologies. Circle 575.

## Coating for Custom Microscope Slides

The Cel-Line HTC (Heavy Teflon Coating) for microscope slides reduces cross-contamination and provides increased microliter capacities. The coating is acetone-proof, chemical resistant, autoclavable, and extremely hydrophobic. The coating has a shelf life of 2 years at room temperature. Cel-Line Associates. Circle 565.

## Advanced Electronic Stirrers

Series 2000 stirrers use continuous-coil electromagnetic-field technology to provide a range of speeds from 1500 to 1 rpm, with



smooth rotation even at the lowest rpm. The 2-inch-high, solid-state units facilitate variable cell growth procedures by minimizing cell trauma. Fisher Scientific. Circle 554.

## Ultrafiltration System

The Pellicon Cassette System provides rapid, gentle concentration of antibodies, enzymes, lymphokines, and other protein solutions. The system uses tangential flow filtration, a separation technique that sweeps liquid across the membrane and keeps molecules, viruses, and cells in suspension. The operator can select a Pellicon cassette with the appropriate membrane and molecular weight cutoff to suit each application. Changing the procedure requires a 5-min filter change. Millipore. Circle 557.

## Peptide Mapping System for Liquid Chromatography

The Peptide Mapping System is a low-cost, gradient liquid chromatography (LC) system configured specifically for high-sensitivity peptide mapping. The modular system is based on the new Model 250 Binary



Pump and the LC-135 dual-channel detector. Shallow gradients under the low flow rate conditions typically used in peptide mapping are not a limitation with the system. The LC-135 detector provides dual-channel detection for monitoring both peptide bonds and aromatic residues. The system is capable of routine peptide mapping at the 5- to 10-pmol level and is compatible with high-speed and narrow-bore peptide columns. Perkin-Elmer. Circle 574.

## Literature

*Immunovations* is a new technical newsletter about immunology research. The publication, available on request, will serve as a forum for the discussion of advances in T cell immunology research and includes articles from leading researchers, highlights from scientific symposia, new product applications, and references. T Cell Sciences. Circle 527.

*New Precision Scientific Laboratory Equipment Catalog* describes the company's full line of laboratory equipment including ovens, incubators, water baths, refrigerators, and vacuum pumps. Precision Scientific. Circle 440.

A 28-page catalog details products from the HPLC Division of Shandon Scientific. Circle 441.

Water Chemical Products Division of Millipore Corporation has produced a 36-page price list of chromatographic supplies. It describes over 300 new products including HPLC columns, gel permeation chromatography columns, Sep-Pak cartridges, and columns and packings for preparative chromatography. Waters, Division of Millipore. Circle 442.

An 8-page, full-color condensed catalog presents a comprehensive line of electrochemical instruments and systems for HPLC detection, voltametric analysis, corrosion measurements, and electrochemical research. EG&G Princeton Applied Research. Circle 445.

# Science

## Products & Materials

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