Centrifuge

Model AX213 separates particles as small as 0.5 micrometer. It is suitable for recombinant DNA applications. Its axial discharge system removes solids in a new manner and enables forces of up to 16,000*g* to be achieved. The unit is easily disassembled and reassembled in less than 3 hours and occupies minimum floor space. Alfa Laval Group. Circle 813.

Ribonuclease Inhibitor

RNasin is a protein isolated from human placenta tissue which inhibits ribonucleases. This inhibitor helps to maintain the integrity of messenger RNA. RNasin is useful for copy DNA synthesis, in vitro translation, polysome isolation, and in vitro transcription. It is stable over a period of months when stored in buffered 50 percent glycerol solution at −20°C. Biotec. Circle 816.

Scanning Electron Microscope

Stereoscan 100 includes a massive specimen chamber that can accept wafers up to 7 inches in diameter. Specimens up to 5 inches in diameter may be tilted up to 90° and rotated through 360°. The chamber requires no water, compressed air, liquid nitrogen, or special plumbing. Vacuum is achieved rapidly. Resolution is to 70 angstroms and magnification is to 200,000 power. There are six accelerating voltages (2, 3, 5, 10, 15, and 25 kilovolts) and one very low voltage option (500 volts). Cambridge Instruments. Circle 815.

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 1178A and 1282A) and placing it in the mailbox. Postage is free.

—RICHARD G. SOMMER

Programmable Amplifier

Model 5205 is a lock-in amplifier that has facilities for full computer control. Sensitivity range, phase controls, offset voltages, and full-scale normalized voltages may be set automatically. Full-scale sensitivities range from 100 nanovolts to 5 volts root-mean-square; operating frequencies span 0.2 hertz to 200 kilohertz. With its optional IEEE-488 interface, interaction with processors and remote programming is facilitated. The 5205 features both digital and analog readout to augment its usefulness in measuring weak signals and phase shifts. EG&G Princeton Applied Research. Circle 819.

Reference for Freezing Point of Water

The Zeref Ice-Point Reference unit continuously maintains a temperature of 0°C, the freezing point of water at sea level. This temperature constant is a useful reference for calibration of scientific equipment for refrigeration and thermometry. The sealed chamber maintains the reference to an accuracy of within 0.1°C with stability of ±0.01°C. The user may check accuracy of up to 72 thermocouples simultaneously for accurate calibration. Scientemp. Circle 814.

Enzyme Immunoassay Reader

Chromo-Scan reads EIA samples directly through the wells of either flat or U-bottom microplates. This benchtop instrument provides digital display of absorbance values to three decimals and the location of the well on the microplate. With an optional printer, 96 wells may be scanned and results printed in 3 minutes. A timer enables the user to determine when to add substrate or take readings. Readings are linear from optical densities to 0 through 1.999 and they are accurate to within 1 percent over the full scale. Bio-Tek Instruments. Circle 817.

Electrophoresis System

AVES is a microprocessor-controlled vertical unit. It performs electrophoresis, staining, destaining, cleaning, and drying steps at the command of a program. It consists of an electrophoresis cell, a power supply, a timer, a heater/drier, and carrying racks for stains and solvents. It is a compact bench-top device that weighs 33 pounds. It is available already programmed for staining cycles optimum for serum proteins and hemoglobins. Helena Laboratories. Circle 820.

Spectrometer

Model 251 flat-field spectrometer uses toroidal gratings with an entrance focal distance of 292 millimeters. It features high vacuum, fixed-width entrance slit, and grazing incidence at 70.6° and it may be mounted in any physical orientation. The toroidal gratings that create a flat field of 65 millimeters may be interchanged remotely with no loss of optical alignment or breaking of vacuum. The instrument is designed to operate at wavelengths from 100 to 1700 angstroms. Schoeffel/McPherson Instruments. Circle 818.

Balances

Seven models comprise the Brainweigh line of electronic balances. They are all top-loading and various models offer readability from 0.001 to 0.1 gram. There is a user-selectable variable integration feature that simplifies measurement in harsh environments or measurement of active animals. A stability indicator next to the last digit in the display confirms stable readings. Optional data-processing interfaces are available for all models. Four single-range and three dual-range models are offered. Ohaus Scale. Circle 821.

Literature

Continuous Flow Analytical Instrumentation includes reagents, consumable accessories, replacement parts, and modules. Alpkem. Circle 807.

Thermometer introduces model 870, a thermocouple-based, handheld instrument for precise temperature measurement. Keithley Instruments. Circle 811.

Laboratory Presses is devoted to hydraulic apparatus for research. Fred S. Carver. Circle 827.

PRODUCTS and MATERIALS

Science **213** (4513), 1284.
DOI: 10.1126/science.213.4513.1284