

Statistics Software

STATISTIX is an interactive statistical analysis system for microcomputers. It offers user-specified arithmetic transformations, conditional transformations, missing value recognition, editing, and analysis by subsets. Data may be entered by keyboard or from text files. Analyses include variance or covariance, multiple regression, eigensystem analysis, most standard one- and two-sample parametric and nonparametric tests, goodness-of-fit tests, including log-linear models, probability values for nine distributions, summary statistics, histograms, and scatterplots. A manual is included. NH Analytical Software. Circle 532.

Automated Chemistry Analyzer

The TRAACS 800 is a computer-controlled device for continuous-flow analyses. Initiation, reagent sequencing, setting of baseline and gain, generation of real time, and corrected results are all automated. The random access sampler accommodates up to 120 sample cups. The four-channel version tests four chemistries simultaneously; the dual-channel version tests two chemistries at one time. Samples which exceed the range of analysis are automatically diluted and reanalyzed. Technicon Instruments. Circle 526.

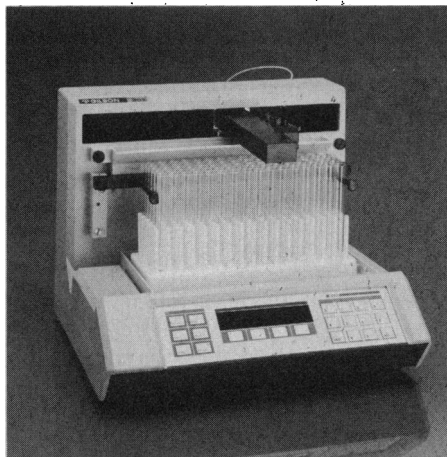
DNA Electrophoresis

Foto/Phoresis I occupies 2 square feet of table space and performs agarose gel electrophoresis to analyze nucleic acids and display results. Features include a 250-volt power supply, a gel tray designed for leakproof pouring, and a dedicated miniature gel transilluminator. Included is a hand-held instant format camera, agarose, ethidium bromide film, and a detailed protocol for use. Foto/Phoresis I offers a safety interlock and ultraviolet-blocking cover. The gel tray is automatically centered under the camera hood and DNA bands are reproduced 1:1 to provide an exact replica for reference. Fotodyne. Circle 535.

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.

Fraction Collector

Model FC203, microprocessor-controlled with collection in five modes, also offers time windows and online instructions. It offers in-operation editing of key parameters



for adaptation to the user's need. Adaptive-slope peak detection assures collection of pure compounds. The stationary rack system accommodates 14 different racks for various sized vessels from 96-well plates to 13 by 100 mm tubes. Removable pans and drain trough simplify cleanup. An optional three-way valve enables the user to divert eluent to the drain. Gilson Medical Electronics. Circle 529.

Plant Growth Chamber

A 934-liter chamber offers control of temperature, humidity, air circulation, and light. Model 317532 will accommodate plants up to 60 inches in height. Temperature may be controlled to within 0.1°C from 0° to 70°C and relative humidity to within 2 percent RH from 20 to 98 percent RH. Fluorescent lighting provides up to 1700 footcandles of light and two 24-hour timers permit programming of diurnal cycles of light and temperature. An optional microprocessor is available for full automation of chamber parameters. Removable, stainless steel shelves may be positioned at 19 levels inside the chamber. Hotpack. Circle 525.

Electrophoresis System

The 2050 Midget Electrophoresis System provides high-resolution separations in 0.5-mm polyacrylamide gels. The system includes multiple gel casting units, electrophoresis tank, electrophoretic transfer unit, laser densitometer, digital power supply, and accessories. Complete analysis, including cast-

ing gels, sample application, running, electrophoretic transfer, and densitometric scanning, requires less than 2 hours. Up to 14 gels may be cast at a time. Two gels containing 5, 10, or 15 samples each may be run in under 45 minutes. Thin gels may be rapidly stained and destained. LKB Instruments. Circle 531.

Pipettor

The Electrapette performs the functions of a graduated pipette. It is a 12-ml system that dispenses fluids in 100- μ l increments. The operator inputs the pipetting volumes and selects the flow rate. Aspirate/dispense indicator lights are found on either side for convenience. Accuracy exceeds 1 percent at full scale. The calibration function assures accuracy even when liquids of different specific gravities and temperatures are transferred. A starter kit for the Electrapette includes a rack, six calibration pipettes, 24 sterile filters, and four rubber pipette interfaces. Matrix Technologies. Circle 533.

NMR Simulator

NMR Simulator is software to enable the operator of a personal computer to experience the use of a nuclear magnetic resonance spectrometer without having one. With this software, the user of an IBM PC or Apple Macintosh may simulate the operation of a Varian EM-360A NMR spectrometer. The disk includes spectral data for 13 samples. Additional sample spectra may be purchased; they are grouped by areas of study. Samples may be presented as unknowns for analysis. With the sample loaded, the operator adjusts instrument settings and generates spectra. City Software Development. Circle 534.

Chemistry Workstation

The HP3363A Chemstation is based on the HP9000 Series 300 desk-top computer. Standard configuration offers 1-megabyte memory, software, color or monochrome monitor, and a printer, plotter, or disk. Software is available as an add-on to other analytical systems for automation and control of GC/MS, gas and liquid chromatography. Up to ten instruments, each with two detectors, may be controlled. Software automates operation; collection, storage, and analysis of data; and graphics. Auxiliary programs are available for plotting, batch processing, and more. Hewlett-Packard. Circle 528.

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