

Superconductor Powder

High-temperature superconductor powder is available. The yttrium barium cuprate powder (the 1-2-3 compound) is >99% phase-pure. CPS Superconductor. Circle 474.

Miniature Electrophoresis System

Profile is an electrophoresis system that can perform both gel fractionation and electrotransfer. Both techniques take place within the same tank; the conversion from gel to blot is made by inserting the electrotransfer assembly. Each technique requires less than an hour of operating time to complete. Two gels can be processed simultaneously. The system uses precast polyacrylamide gels in disposable cassettes. Schleicher & Schuell. Circle 498.

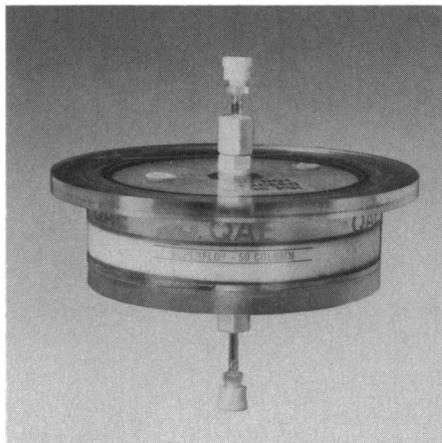
Spectrofluorometer

The Alphascan spectrofluorometer measures steady-state fluorescence, phosphorescence, and polarization anisotropy. The Alphascan can detect fluorescein in quantities as low as 50 femtomolar. Software controls all instrument functions and allows remote data analysis. The spectrofluorometer features front-surface collection optics and optically matched monochromators. Photon Technology International. Circle 437.

Radial Chromatography Columns

Superflo Columns have been designed to perform low-pressure chromatographic separations of vaccines, antibodies, and proteins. These radial-flow columns have a flow rate of 3 to 15 column volumes per hour, unlike axial-flow columns, which have a flow rate of 1 to 3 column volumes per hour. The bed height is horizontal and remains constant at 3.5 cm. The columns are

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available as empty, repackable acrylic or stainless steel columns with bed volumes of 50, 100, 250, 500, or 1500 ml or packed with protein A, hydroxylapatite, diethylaminoethyl, carboxyethyl, or quaternary aminoethyl with bed volumes of 50, 100, 250, or 500 ml. Beckman Instruments, BSG Consumables. Circle 438.

Graphics Software

SYGRAPH is a scientific graphics package for preparing interactive, exploratory, and presentation graphics of statistical data. The program creates two- and three-dimensional graphs, including box plots, bar charts, stem-and-leaf plots, histograms, scatterplots, maps, contour plots, casement plots, nonlinear scatterplot smoothing, and triangular coordinate plots. Plots can be rotated in three dimensions, overlaid, and printed in color. SYGRAPH provides a full-screen data editor and an extended data transformation language. It can read and write files in Lotus 1-2-3, dBase, and DIF formats, and it can exchange data with SPSS, STATA, and SAS through external ASCII files. Versions of SYGRAPH are available for computers with VMS, PC-DOS, or MS-DOS operating systems. SYSTAT. Circle 436.

Energy-Filtering Electron Microscope

The CEM 902 is a computer-assisted energy-filtering electron microscope. It contains monochromatic spectrometer optics to improve resolution of images of frozen hydrated sections and thin sections for which staining is not practical. Magnifications between $\times 150$ and $\times 400,000$ are possible. The user manipulates a trackball to position the motorized specimen stage. As many as 100 stage positions can be stored in the microprocessor's memory and recalled at the

press of a button. A sheet-film camera is included for documentation. The camera automatically imprints on a negative the magnification, the high voltage, the electron energy loss, and the measured electron current; the user can enter additional identification data as well. Carl Zeiss, Electron Optics Division. Circle 444.

Motion Analysis System

The VideoScan System tracks and analyzes movement with a charge-coupled device (CCD) camera. As many as 256 targets may be tracked individually and without ambiguity, even when targets cross paths or disappear momentarily. Targets do not need to be attached to the VideoScan by wires or other connections. The system's analyzer can digitize and process as many as 60 frames per second. Applications for the VideoScan System include monitoring animal behavior and studying gait or robot arm movement. The system is available with one CCD camera for two-dimensional motion analysis and with two cameras for three-dimensional analysis. Omnitech Electronics. Circle 448.

Recombinant Protein A-Protein G Fusion

Omnibind A/G is a protein with the Fc-binding characteristics of both protein A and protein G. This recombinant protein contains the immunoglobulin Fc-binding domains of *Staphylococcus aureus* Cowan I protein A and *Streptococcus* sp. Lancefield group G protein G. The resulting protein has a molecular weight of 45,000 to 47,000, and it does not bind mouse immunoglobulins A or M or bovine, human, or murine serum albumin. InFerGene. Circle 439.

Literature

Liquid Particle Counting Systems is a brochure about a line of laser-based systems that size and count particles from 0.1 to 300 μm . Particle Measuring Systems. Circle 449.

Manufacturers Since 1888 is a 338-page catalog of pumps, racks, evaporators, bottles, beakers, clamps, tubes, and other laboratory products. Wheaton. Circle 451.

The brochure *250 Systems for Liquid Chromatography* describes modular, upgradable liquid chromatography systems. Perkin-Elmer. Circle 453.

The World's Most Advanced Weighing Technology is a brochure about balances, balance attachments, and related equipment. Sartorius Instruments. Circle 454.

Products & Materials

Science **243** (4896), 1381.
DOI: 10.1126/science.243.4896.1381

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