

Peptide Synthesis Software

The PepPro Peptide Synthesis System is an interactive software program that provides procedures and recommendations for each step of growing a peptide chain. Using synthesis rules derived from the work of peptide chemists, PepPro instructs the user when to add each amino acid. The user may alter or add to the rules already programmed. Also, the user may enter additional peptide information into the program's database. PepPro can analyze the amino acids of the user-added peptides and suggest a synthesis strategy. The program provides a justification for each recommendation and can estimate the difficulty of the suggested synthesis. Beckman Instruments, Spinco Division. Circle 592.

Peptide Separation Without Chromatography

PEP-SEPS are glass beads with amino acid-specific reagents bonded to them that capture peptides containing a particular amino acid. The initial solution may be decanted from the beads and the peptide reversibly removed. Currently available are PEP-SEPS for cysteine, arginine, methionine, and tryptophan. Applied Protein Technologies. Circle 598.

Ready-to-Use Electrophoresis Gel Solution

ProtoGel is a stabilized, ready-to-use solution for pouring gels for electrophoresis. It consists of 30% acrylamide 2.7% cross-linked with methylene bisacrylamide (0.8% w/v) in distilled, deionized water. When the solution is deaerated, the acrylamide begins self-polymerization. Because the user does not need to handle solid acrylamide or methylene bisacrylamide, inhalation of neurotoxins is reduced. Pore sizes and molecular composition are consistent among gels. National Diagnostics. Circle 595.

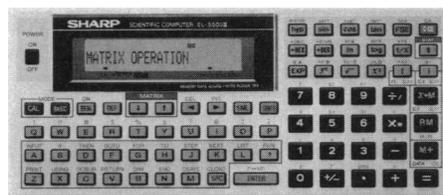
Immunostaining System

IsoLink is an immunostaining system for localizing antigens in a tissue section based on the strong affinity between streptavidin and biotin molecules. IsoLink's technique first blocks nonspecific protein- and enzyme-binding sites, which allows the prima-

ry antibody to bind specifically to antigenic sites on tissue samples. The sections are then incubated with a linking affinity-purified immunoglobulin that has been highly biotinylated. An enzyme-conjugated streptavidin is applied, which binds to the biotin of the secondary antibody. Then a stain is applied. \$69.50. IsoLab. Circle 593.

Scientific Calculator

The EL-5500III is a pocket-sized scientific calculator with 85 scientific functions and BASIC built in. Matrices may be added, subtracted, multiplied, divided, inverted,



and transposed. Calculations may be stored in memory and then incorporated into BASIC programs. Calculations may also be performed while in BASIC mode. Sharp Electronics. Circle 597.

Instant Photos from Video Images

The FreezeFrame Video Image Recorder converts a video image to a color print, color slide, or black-and-white slide. The video signal may come from a video cassette recorder, video camera, laser disk player, or other National Television Standard Code-standard source. A fill feature colors in the spaces between raster lines for a smoother appearance. Although the user need only press a button to snap the picture, the image may be previewed on the monitor and may be adjusted for color, tint, contrast, sharpness, and brightness. \$1899. Polaroid. Circle 596.

Liquid Scintillation Counter

The 1205 Betaplate is a liquid scintillation counter that does not count from vials. Instead, labeled cells harvested or spotted onto filter supports may be counted directly from the support. Sample preparation time from harvesting to counting for 96 samples is less than 2 minutes, and only 10 to 20 ml of scintillant is needed. The counter has six simultaneously counting detector pairs, and its maximum capacity is 1920 samples. An

identification system reduces the chance of sample mix-up. Pharmacia LKB Wallac Oy (Finland). Circle 602.

Sound-Analysis Workstation

MacSpeech Lab II is a speech-, music-, and waveform-analysis workstation based on the Macintosh II computer. The system can capture signals as long as 4.5 minutes with bandwidths as high as 40 kHz. The digitized waveforms may then be viewed, played, analyzed, edited, and printed. Segments may be rearranged. The system can display a waveform as a time waveform, an envelope plot, a fundamental frequency plot, a fast Fourier transform spectral slice, a linear predictive coefficients spectral slice, or a spectrogram; the waveform may be displayed in three different forms at once. \$16,350. GW Instruments. Circle 601.

Data Acquisition Peripheral

The IDAC/1000 can capture eight channels of single-ended or four channels of differential analog input. It can transfer the data to an IBM or Macintosh personal computer through an RS-232C connector at a band rate as high as 19,200. The IDAC/1000 has a 12-bit analog-digital resolution and a maximum sampling rate of 3600 conversions per second (aggregate) within voltage ranges of -10 to +10, -5 to +5, -2.5 to +2.5, 0 to 10, and 0 to 5 V. An optional spreadsheet software package for the host computer can configure a system if the user enters the parameters. \$995. International Data Acquisition + Control. Circle 603.

Literature

Tecam Dry Heat Baths is an 8-page catalog of compact constant-temperature heaters for test tubes, cuvettes, and other small containers. Techne. Circle 607.

The *RESOLVE Portfolio* contains product brochures on electrophoresis units, power supplies, and kits to separate particular proteins. Isolab. Circle 608.

Controller Product Catalog is a 60-page catalog of temperature and process controllers, programmer-controllers, power control products, indicators and alarms, and systems products. Eurotherm. Circle 609.

Lab Disposables is a brochure that describes acrylic and plastic racks, containers, dispensers, trays, and pipettes. Accurate Chemical and Scientific. Circle 610.

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