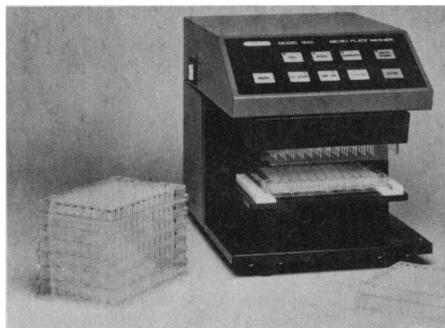


Microplate Washer

The model 1550 microplate washer fills and washes all 96 wells of a microtitration plate simultaneously. Because all wells are washed and rinsed equally, well-to-well variation in absorbance readings is not artificially induced. An electronic control ensures



each plate is raised to the same position. In the automatic mode, the 1550 can dispense 100 to 300 μ l of wash fluid to each well, can allow soaking from 2 to 128 s, and aspirates the contents of the plate; the cycle can be repeated three to five times. An overflow tube at the rim of each well prevents cross contamination. Wash solution is pumped into the washer, not fed by gravity. Bio-Rad Laboratories, Chemical Division. Circle 446.

Custom Peptide Synthesis

Three grades of custom synthesized peptides are available. All come with high-performance liquid chromatography and amino acid analysis data; the two higher grades also come with a fast atom bombardment spectrometric analysis. Standard reagent-grade peptides undergo no purification after deprotection and cleavage from the resin. These peptides are supplied in quantities of 50 to 100 mg. Immunological reagent-grade peptides are about 80% pure and are appropriate for conjugation and antibody production. These peptides are supplied in quantities of 50 to 100 mg.

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.

Bioassay reagent-grade peptides are more than 95% pure. These peptides are supplied in quantities of 10 to 25 mg. Bulk peptide synthesis service is available when greater quantities are required. Cambridge Research Biochemicals (United Kingdom). Circle 440.

Antibodies

Primary and secondary antibodies with a variety of specificities, all conjugated with R-Phycoerythrin. Sigma Chemical. Circle 461.

CBL 80 and CBL 81, monoclonal antibodies to human interleukin 2. Cymbus Bioscience (United Kingdom). Circle 462.

CBL 170, monoclonal antibody to human cytokeratins 8, 18, and 19. Cymbus Bioscience (United Kingdom) Circle 463.

CD-ROM Chromatography Database

CD-CHROM is a database on a CD-ROM (compact disk read-only memory) that contains more than 70,000 abstracts of articles about gas and liquid chromatography. These articles have appeared in journals from Western Europe, America, Eastern Europe, Asia, and Australia since 1951 for gas chromatography and since 1984 for liquid chromatography. The user can search the abstracts by field (such as the type of column used or the compounds separated) or by complete text. The accompanying search software supports Boolean operators and subset references; a typical search requires less than 30 s. CD-CHROM operates with IBM PC and compatible computers with 640 kilobytes of random access memory, a 5-megabyte hard disk, and a CD-ROM player. \$1295. Preston Publications. Circle 447.

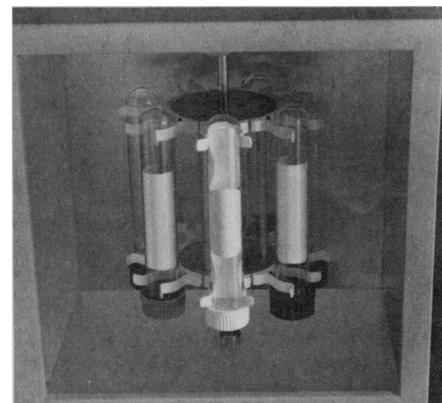
Spatial Imaging of Radioactive Samples

The 400A PhosphorImager reads images of radioactivity from electrophoresis gels and blotting membranes. The instrument's storage phosphor screen absorbs β and γ radiation emitted by isotopes in labeling experiments. The screen is then scanned with a red helium-neon laser beam, which causes the stored radiation to be released as blue photons. An integrating cylinder captures the photons, which are then digitized. Compared to autoradiography, storage phosphors offer several advantages. Because storage phosphors are denser and more sen-

sitive than photographic film, the researcher can get faster results or can reduce the dose of radioactivity. Also, storage phosphors have a wider dynamic range than x-ray film: with storage phosphors, bands can differ by a factor of 10,000. Another advantage is that exposures can take place at room temperature. Also, unlike film, the storage phosphor sheet can be reused indefinitely. Molecular Dynamics. Circle 451.

Incubator for Blotting

The Hybridization Incubator is a temperature-controlled device for wetting and heating RNA and DNA blots. A 6-rpm rotator can hold ten screw-cap glass tubes of sizes between 10 by 75 mm and 38 by 300 mm. Membranes between 2.5 and 25.4 cm



wide and as long as 50.8 cm can be accommodated. The design of the rotator ensures complete wetting of the membrane, which reduces the amount of probe used and results in sharper bands and lower background. Temperature is maintained within 0.5°C between ambient and 90°C. Because the unit has an inner glass door, membranes can be viewed without affecting temperature. The Hybridization Incubator measures 38.1 by 38.1 by 59.8 cm. Robbins Scientific. Circle 441.

Literature

Preconfigured HPLC Systems is a set of eight data sheets about high-performance liquid chromatography systems for gradient or isocratic elution, analytical or preparative sample loads, and manual or automatic injection. Gilson Medical Electronics. Circle 545.

The brochure *A User Guide for Liquid Filters* tells how to install, sanitize, test, and store liquid filters. Domnick Hunter Filters. Circle 547.

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