

Sequence Analysis Software

Version 8.0 of the Wisconsin Sequence Analysis Package is a comprehensive suite of programs for analyzing DNA and protein sequences and searching sequence databases. New programs include BLAST, which searches sequence databases either on your local computer or at the National Center for Biotechnology Information; Prime, which helps select oligonucleotide primers; and Distances and GrowTree, which predict and display phylogenetic trees. The major sequence and pattern databases are included with the package, including GenBank, EMBL, PIR, SWISS-PROT, PROSITE, TFD, and REBASE. The package runs on Digital's VAX and Alpha architectures as well as on Sun, IBM, Silicon Graphics, and Convex. **Genetics Computer Group. Circle 139.**

Nonradioactive Protein Synthesis Study

A new nonradioactive system can be used for studying the synthesis of biotinylated proteins in vitro. Through the use of a rabbit reticulocyte lysate as the cell-free system, the ECL translation kit offers the sensitivity of ^{35}S -methionine but with high contrast and high resolution results in just 6 hours. Optimized treatment of the lysate with a calcium-dependent nuclease ensures that endogenous mRNA is destroyed, and hence template translation activity is maximized. **Amersham Life Science. Circle 140.**

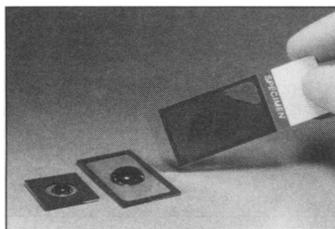
Luminescent DNA and RNA Detection Kit

The Luminescent DNA/RNA Detection Kit is a complete set of reagents for detecting biotinylated nucleic acid probes hybridized to Northern (RNA), Southern (DNA), colony, and plaque blots. The chemiluminescent detection system, with dioxetane substrate for the alkaline phos-

phatase label, yields subpicogram detection of biotinylated probes. A convenient EconoBlot System reduces the amount of enzyme conjugate used by severalfold. **LabLogix. Circle 141.**

Cytochemistry Assay Chambers

Probe-Clip chambers are designed for in situ hybridization, immunocytochemistry, and enzyme/receptor cytochemistry. They eliminate the time-consuming need to silanize coverslips or make



leak-prone wells for incubating cell or tissue specimens with liquid reactants. By pressing a Probe-Clip to a microscope slide containing a cell or tissue specimen, a sealed chamber is formed around the specimen to hold reactants in place and prevent evaporation and spillage. Probe-Clips eliminate the need to use contamination-prone moist chambers, and they facilitate microwave and water bath procedures. **Grace Bio-Labs. Circle 142.**

Large Molecule Software

Mulliken is a powerful, versatile quantum chemistry software program that enables chemists to solve practical problems involving large, complex molecules. The program features a graphical user interface that makes prediction and visualization of molecular properties simple, even for first-time users, and a collection

of algorithms that do not break down under complex calculations. **CAChe Scientific. Circle 143.**

Lambda Terminase

Lambda Terminase is an endonuclease for specific cleavage of DNA in preparation for chromosomal mapping or generating restriction maps of unknown DNA cloned into cosmid vectors. Lambda Terminase recognizes and cleaves DNA at cos sites, leaving unique 12-base, 5' overhangs. Cosmid restriction maps can be conveniently generated in conjunction with a partial restriction digest, followed by hybridization with a cos site-specific probe. **Epicentre Technologies. Circle 144.**

RNase Detection Kit

Two fluorescence-based ribonuclease (RNase) detection kits provide the sensitivity of radioactivity without the use of isotopes. The polarization kit is a homogeneous assay that requires no separation, precipitation, or transfers of the reaction mixture. Sensitivity is less than 1 pg of RNase. The precipitation kit requires no gel electrophoresis and provides quantitative determination in the low picogram range. **PanVera. Circle 145.**

Ratio Fluorescence Spectrometer

The RatioMaster Ratio Fluorescence Spectrometer is a versatile instrument for quantitative determination of ions inside living cells. Through use of Fura-2 and other fluorescence probes, a RatioMaster can measure cal-

cium, potassium, magnesium, pH, and other ions in single cells or in cell populations. The Ratio-



Master can be configured as a cuvette system, a microscope photometry system, or an imaging system. **Photon Technology International. Circle 146.**

Literature

Biomolecules for Research is a catalog featuring signal transduction reagents. The more than 1000 reagents include antibodies, peptides, inhibitors, activators, second messengers, and receptor ligands. **Biomol Research Laboratories. Circle 147.**

Millipore Filter Chart is a color wall chart with detailed information on a full range of membrane products, including a low protein-binding membrane and a blotting membrane. **Millipore. Circle 148.**

Gilson 160 Diode Array Detector is a brochure on an instrument for simultaneous on-line spectrochemical analysis and ultraviolet and visible light high-performance liquid chromatography detection from 190 to 700 nm. **Gilson Medical Electronics. Circle 149.**

Putting API LC/MS on the Chromatographer's Bench is a brochure on a detector that allows atmospheric pressure ionization (API) liquid chromatography/mass spectrometry (LC/MS) to be taken out of the narrow confines of the traditional mass spectrometry facility. **Fison Instruments. Circle 150.**

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.

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