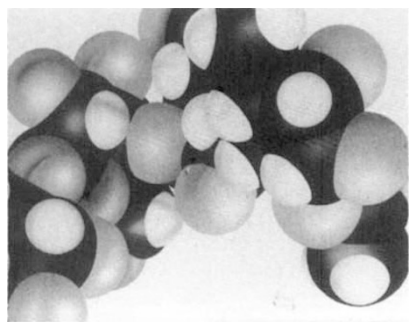


MICROSEQUENCING PRODUCTS



Glycoprotein Analysis

BioCarb Chemicals of Lund, Sweden, offers structural analysis of glycoproteins through its new Glyco-print method. By defining the identity of each glycoprotein, the service gives researchers valuable technical data for product development as well as patent applications.

Write in 807 on Reader Service Card

Analysis Service

Eurosequence B.V. (Groningen, The Netherlands) has a full array of automated equipment to support its protein sequencing service. It uses the Applied Biosystems model 477 pulsed-liquid sequenator for custom sequencing of proteins and peptides from blotted and all other types of samples. Pricing varies depending on the number of amino acids to be analyzed, with volume discounts. Eurosequence also offers DNA sequencing and performs contract research with recombinant proteins.

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Protein Micro-Sequencer

Porton Instruments (Tarzana, CA) announces the PI 2090E protein sequencer, an enhanced integrated gas-phase system with increased data-handling capacity. A new fluid transfer system brings overall sensitivity up to 1–10 picomoles. PC-based software assists PTH amino acid identification, with multi-tasking raw data viewing and manipulation. Other features include background noise subtraction, graphic display of amino acid recoveries, repetitive yield calculations, and lag correction. The fully automated, user-programmable unit

gives a repetitive yield of > 93 percent for 20 picomoles of beta lactoglobulin.

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Sequencing Service

The CI 4000 protein sequencer from Chelsea Instruments (London, U.K.) will be used as part of a new microsequencing service to be offered by M-Scan (Ascots, U.K.). The service will exploit the high sensitivity of the CI 4000 in combination with fast atom bombardment-mass spectrophotometry (FAB-MS). Clients may select protein sequencing alone or in combination with FAB-MS, depending on the amount of information desired.

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Amino Acid Analyzer

The System 6300 amino acid analyzer from Beckman Instruments (Fullerton, CA) is now available with System Gold™ software. Amino acids are derivatized with ninhydrin in a microvolume tubular reactor set at 135° C. The patented 100-μl reactor, packed with diamond dust, aids quantitative accuracy. An in-line conductivity sensor ensures complete filling of the sample metering loop, allowing reliable, precise sample delivery.

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Fast Sequence Comparison

Active Memory Technology (Irvine, CA) manufactures the DAP 610, a massively parallel computer that delivers 40 billion Boolean operations/sec. Its new searching program, PROSRCH, improves both the speed and sensitivity of protein sequence comparisons, scanning a large database of known protein sequences in

three to four minutes and searching for matches with new sequences.

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Software

Softshu (Palo Alto, CA) has released version 4.0 of its Recombinant Toolkit for analysis of nucleotide and amino acid sequences. This menu-driven integrated environment is easy to use and resistant to user errors. Features include fast, complete, and accurate reverse translation with restriction, allowing accurate design of cDNA for amino acid sequences up to 1,000 residues. It also performs restriction and open reading frame analysis on up to 32,000 nucleotide sequences with 211 user-customizable restriction sites. The software supports searching of up to 32,000 residue amino acid or nucleotide sequences. Minimum configuration for the \$250 software is DOS 2.0+, 384K RAM, and minimum one-megabyte drive.

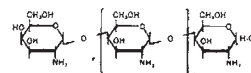
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RESEARCH REAGENTS FOR AMINO-SUGARS

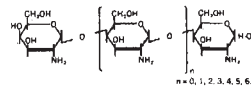
A series of novel basic polysaccharides purified from the culture fluid of *Pae-cilomyces* sp. I-1 are manufactured by Higeta Shoyu Co., Ltd. and supplied by Funakoshi pharmaceutical Co., Ltd. exclusively.

- * α-1, 4-POLYGALACTOSAMINE
- * GALACTOSAMINO-OLIGOSACCHARIDES
- * N-ACETYL GALACTOSAMINO-OLIGOSACCHARIDES

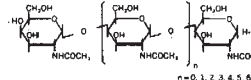
α-1, 4-POLYGALACTOSAMINE



GALACTOSAMINO-OLIGOSACCHARIDES



N-ACETYL GALACTOSAMINO-OLIGOSACCHARIDES



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