

/COMPUTER PRODUCTS

Easy menu

Biochem Easy Menu software from Varian (Surrey, U.K.), for its Cary UV-Vis-NIR spectrophotometers, allows measurements that were previously done on chart paper to be performed on-screen. Kinetic data can be rescaled and slope calculations performed on data during a run so analyses are completed efficiently.

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Protein alignment

Oxford Molecular's (Oxford, U.K.) new Cameleon 3.0 allows users to create protein sequence alignments and analyze the sequences to predict the protein's structure. A graphical interface allows for information to be manipulated more easily, and now an unlimited number of sequences can be read.

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Automated workstation

The Biomek 2000 Laboratory Automation Workstation from Beckman Instruments (Fullerton, CA) automates assays and sample preparation procedures including such tasks as pipetting, diluting, plate washing, high-density replicating, and photometric assay quantitation.

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3D reconstructions

Semper for Windows from Synoptics (Cambridge, U.K.) allows three dimensional reconstructions to be made from a series of images representing different slices of an object, such as successive layers taken from a confocal microscope. Semper for Windows is also functional for image analysis, morphology, image processing and enhancement, and picture management and display.

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Image measurement

Jandel Scientific (Munich, Germany) offers SigmaScan/Image, allowing users to measure digitized images, such as X-rays, electrophoresis gels, and photographs, directly from the PC. Users can measure with point-to-point mouse clicks or continuous tracing of objects. A column worksheet with a transform language and data plotting feature is included.

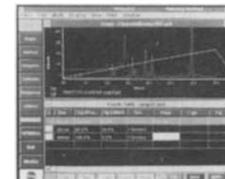
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Detector manager

The Pyramid Chromatography Manager software package from Axxiom Chromatography (Moorpark, CA) allows for programmable control of the ESA Model 5200 Coulochem II electrochemical detector. This package supports on-line command of the detector via the Method Events timetable, which can operate HPLC pumps, relays, and other devices from multiple vendors.

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Protein crystallization

The Robotic Protein Crystallization System II from ICN Biomedicals (Costa Mesa, CA) increases experimental precision and accuracy for protein crystallization experiments that use the hanging drop and sitting drop techniques. Sixteen crystallization experiments may be conducted in a 4x4 array, and up to 6 different solutions may be selected using an 8-port rotary valve.

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Image analysis

Graftek (Mirmande, France) offers a Windows version of the Concept V.i add-on package for the LabVIEW graphical instrumentation software from National Instruments (Austin, TX). Concept V.i is a family of image processing and analysis libraries that works with the graphical programming capabilities of LabVIEW.

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