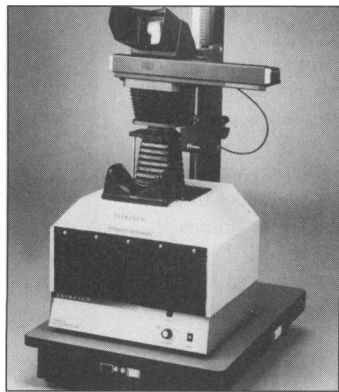


Image Acquisition and Analysis

VISTA is a system for fully automated time lapse digital image acquisition and quantitative image processing for the life sciences. It enables acquisition of high resolution digital images from monochrome or color cameras, at resolutions up to 768 by 576 pixels, with image operation up to 1024 by 1024 pixels using advanced monochrome camera technology. It is supplied as a complete integrated system with image acquisition hardware and software, low light level camera, advanced graphics interface and display technology, and computer. It offers an interface to all conventional light and fluorescence microscopes, acquisition of brightfield and ultra-low light level fluorescence images from living cells, image capture rates compatible with most biological applications, on-chip camera integration to optimize images acquired at low light levels, and more. **Life Science Resources. Circle 140.**

Benchtop Darkroom

The UV-70 Benchtop Darkroom is designed to be used as a convenient compact laboratory darkroom. The cabinet permits gel



viewing right at the laboratory bench by simply placing the unit over any standard transilluminator. An optional bellows attachment connects directly to a camera for photography, eliminating the need to take gels to a

separate darkroom. The cabinet makes use of a special viewing filter that absorbs ultraviolet energy and eliminates blue haze for safe, fatigue-free viewing. A large magnetically held access curtain allows easy access. **Ultra-Lum. Circle 141.**

Electrophoresis System

The Cool Gel Electrophoresis System allows the user to control, measure, and report temperature as a routine part of mini-gel experiments. By controlling temperature the system improves separation times while providing resolution normally available only on sequencing size gels. The system is especially applicable to DNA analyses and to protein recoveries from gels where the temperature history of the sample can be crucial. **BioTherm. Circle 142.**

Subtracted cDNA Production

The Subtractor Kit is a simple method for the enrichment of differentially expressed genes. The three-day procedure makes use of the technique of subtractive hybridization to remove common messages from a differentially expressed pool of complementary DNA (cDNA). The subtracted cDNA produced with this kit can be used as a probe to screen a cDNA library or can be amplified and cloned to produce "hard copies" of enriched genes. **Invitrogen. Circle 143.**

Protein Sequencer

State-of-the-art automation, sophisticated programmability and control by the Macintosh Quadra, and an open architecture that allows for future upgrades are

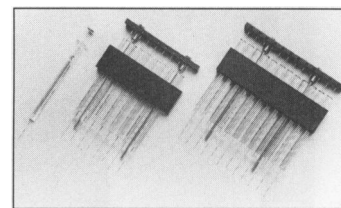
all available in the Procise Protein Sequencing System. This system offers the versatility of either gas or pulsed-liquid chemistries, multiple cartridge configurations, and extra bottles to accommodate future chemistry advances. The system offers sequential sequencing with up to four reaction cartridges, each of which can be independently programmed to run gas phase while another cartridge can be programmed for pulsed-liquid chemistry. Multiple samples can be loaded for overnight and weekend runs. **Perkin-Elmer. Circle 144.**

Purification System

The eggs of immunized chickens are an economical and abundant source of polyclonal antibody that offers advantages over traditional methods of producing antibodies in mammals. The EGGstract IgY Purification System provides a rapid and easy method for the isolation of immunoglobulin (Ig) Y, the chicken IgG homolog, from egg yolks. The protocol and reagents supplied allow recovery of 55 to 80 mg of 75 to 90% pure IgY per egg yolk in about 1 hour. The purified IgY can be used in standard immunological assays. **Promega. Circle 145.**

Multi-Channel Syringe Pipette

The Multi-Channel Syringe Pipette is a multiple loading device that incorporates a syringe and needle design for maximum accuracy and optimization when loading sequencing samples. It simultaneously transfers 1, 8, or 12 samples from a 96-microwell plate directly to either a polyacrylamide sequencing gel, to another microwell plate for duplicate analysis, or to a nylon membrane



for visualization. The novel design provides the narrow diameter and tip length needed to fit between gel plates. Each syringe dispenses between 0.2 and 10 ml per well with better than 99% volume accuracy. **Owl Scientific. Circle 146.**

Literature

Gilson Automated Systems for HPLC and LC is a 12-page publication on a line of systems for a wide range of high-pressure liquid chromatography (HPLC) applications. System capabilities include pump-control or computer-control, isocratic or gradient elution, manual or automatic injection, biocompatibility, and automated sample preparation options. **Gilson Medical Electronics. Circle 147.**

Software for Science is a 96-page listing of more than 1200 scientific and technical software tools for DOS, Windows, Macintosh, and UNIX workstations, including more than 200 new products. **SciTech International. Circle 148.**

Filtron Facts is an eight-page newsletter containing technical and applications information for ultrafiltration membrane users. A recent issue focuses on the integrity testing of tangential flow devices and cassettes. Integrity testing is a trouble-shooting tool for determining the cause of leakage in tangential flow systems, and the newsletter includes an easy-to-follow procedure. **Filtron Technology. Circle 149.**

Capillary Electrophoresis (HPCE) Columns describes a line of columns for this technique for the separation of a wide variety of biomolecules and pharmaceuticals. **Phenomenex. 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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