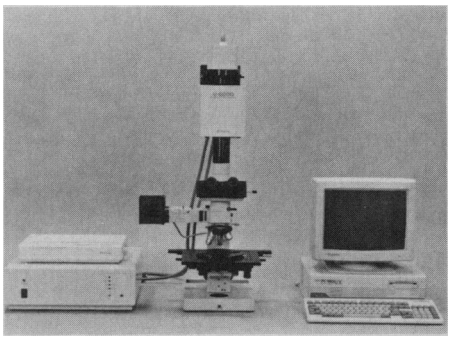
Photodiode Array Spectrometer

The Model U-6000 Fourier transform is a visible microscope, photodiode array spectrometer. The U-6000 measures the transmittance, reflectance, or fluorescence of microscopic samples using a standard micro-



scope and interferometer with diode array detector. Typical applications include forensic analysis, biological cells and tissues, and wafers from the semiconductor industry. Particles as small as 3 μm can be measured spectrophotometrically. Hitachi Instruments. Circle 456.

X-ray Microanalysis System

VOYAGER is an x-ray microanalysis system that features state-of-the-art computer power through its SPARC-based workstation from Sun Microsystems, UNIX multitasking operating system, high-resolution monitor, and windowing display capability. The user has on-screen control over all experiment and software operations. The x-ray detector features a diamond window and germanium crystal that provide improved resolution, light element sensitivity, and extended spectral range. The system includes a program that allows the user to produce custom reports combining entered text with tabular data, spectral data, and images directly from the VOYAGER screen. Tractor Northern. Circle 442.

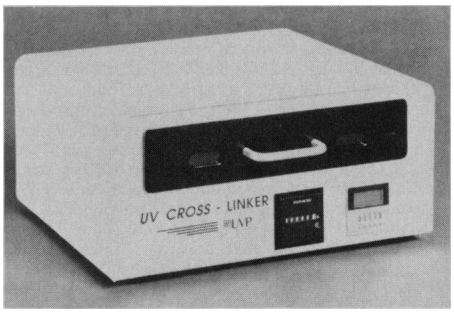
Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement 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.

Hybridization Incubator

Model HB-1 is a new incubator for hybridization designed for conventional techniques in which DNA, RNA, or protein are immobilized onto nylon or nitrocellulose filters. The desired sequence is detected with radioactive probes. Model HB-1 has a temperature range of 30° to 70°C. It can be positioned either on its back or on one side, for minimum use of laboratory space. It has a folding door with magnetic latch and holds up to six hybridization tubes, each of which accommodates up to five membranes per tube. Only 1 ml of liquid is needed per membrane. Techne. Circle 463.

Ultraviolet Cross-Linker

The Cross-Linker CL-400 provides a high-intensity short-wave (254 nm) ultraviolet light that exposes nucleic acid onto nylon membrane in a fraction of the time



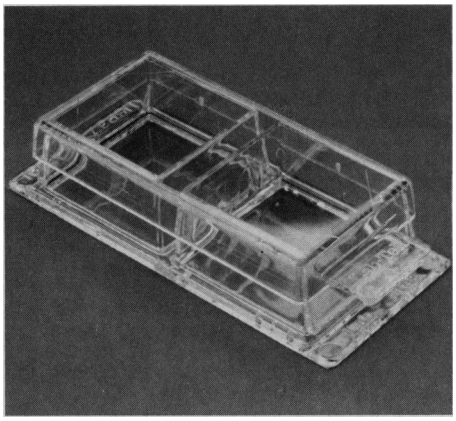
required by techniques such as baking. The unit features a 10 inch by 10 inch grid lamp with a uniform ultraviolet light intensity of 18,000 μW/cm^2. The lamp is controlled by a built-in digital timer. Lamp life is rated at 5000 hours. UVP. Circle 468.

RNA Extraction Kit

The RNA Extraction Kit can prepare pure RNA quickly and in high yield from eukaryotic cells and tissues. The RNA obtained is suitable for immediate use in Northern blots, in in vitro translation, or as a source of mRNA for cDNA synthesis. The salts used in the reaction provide protection against ribonuclease activity, the major concern during any RNA extraction procedure. Pharmacia LKB Biotechnology. Circle 461.

Coverglass Chambers for Cell Culture

This disposable cell culture chamber's thin glass growth surface allows high magnification microscopy with inverted microscope



systems and use with fluorescent probes. The Coverglass Chamber was developed for use with Meridian Instruments' ACAS Laser Cytometer, which performs fluorescent image analysis and selective cell ablation microsurgery. The chambers can also be used in time-lapse video microscopic studies of living cells. The Coverglass Chamber is a rectangle approximately 25 mm by 56 mm divided into two parts with a growth surface of 4.2 cm^2 each. Nunc. Circle 454.

DNA and RNA Linkers and Transilluminators

The BIOSLINK series of linkers and linker-transilluminators are combination units for DNA or RNA fixation to all nylon membranes using ultraviolet light. Units equipped with a transilluminator also allow visualization of DNA or RNA in gels. All are available in 254-nm and 312-nm wavelength models. Complete binding to membranes takes only a few seconds. The BIOSLINK unit's detection cell monitors the amount of energy applied to the membrane. The programming system allows the amount of energy applied to the blot to be preset. BIOS Corp. Circle 457.

Literature

Syringe and Peristalic Pumps, 1991, is a 110-page, full-color catalog. Harvard Apparatus. Circle 435.

Catalog 28 contains more than 340 pages of products for sample preparation, gas chromatography, and high-performance liquid chromatography. Among the new products are guaranteed performance capillary columns for environmental analyses, solid-phase extraction tubes for robotics systems, new chemical standards, and a line of ultrafiltration cartridges, pumps, and accessories. Supelco. Circle 437.

Product & Materials

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