

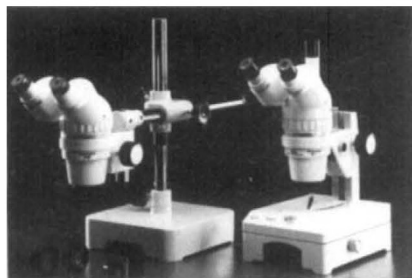
# NEW PRODUCTS/



## Liquid Handling.

Optimized hardware, specialized software, and compact design combine to make Tecan's (Hombrechtikon, Switzerland) Mega Series Robotic Sample Processors fast, efficient, and adaptable. Four liquid-sensitive tips accurately and reproducibly transfer fluids from sample or reagent containers to the chosen destination tubes or plates. Tip spacing is varied automatically to reach samples as far apart as 36 mm or as close as 9 mm. Minimal tip contamination is assured through liquid surface detection and precise tracking during aspiration.

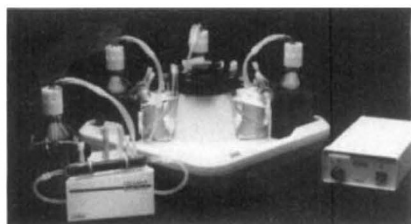
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## Microscope.

Optem International (Rosemont, IL) introduces a high-performance zoom stereoscopic microscope, the StereoGold IV. It features an all-metal pod for durability, and binocular and trinocular pods are available with an interpupillary range from 56 mm to 87 mm using 10x wide field eyepieces. The company will offer a coaxial pod in the near future.

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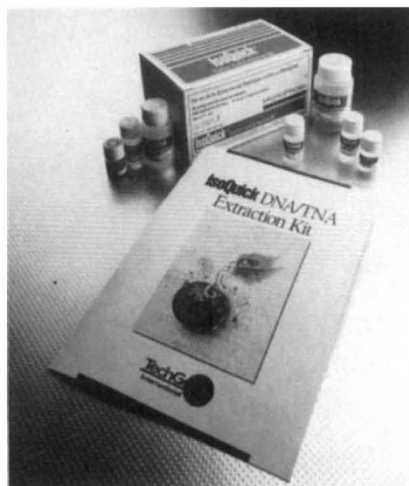


## System.

Cellmax Quad, an artificial capillary cell culture system designed for the

successful culture of a variety of cell types ranging from bone marrow to hybridomas, is now available from Cellco (Germantown, MD). The system simulates the efficient, three-dimensional function of the human capillary system. Cells thrive on and around a network of artificial capillaries. The capillaries supply oxygen and nutrients to cells as they carry off metabolic waste products and other growth inhibitors.

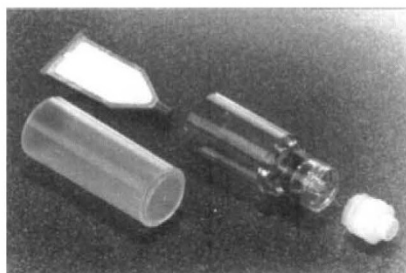
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## Kit.

TechGen International (London) has launched the MicroProbe IsoQuick Nucleic Acid Extraction kit, which allows rapid extraction of DNA or total nucleic acid without the use of phenol/chloroform. Two procedures are available—a rapid extraction that produces DNA suitable for restriction enzyme digestion or PCR amplification in less than 30 minutes, and a total nucleic acid extraction procedure that provides DNA and RNA of high yield and purity.

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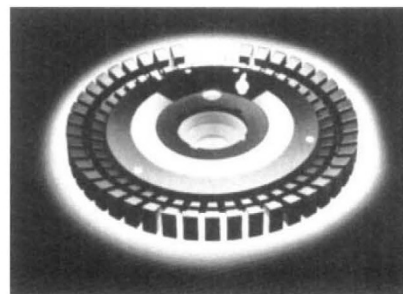


## Device.

The Macrosep centrifugal device from Filtron (Karlstein, Germany) concentrates 15-20 ml to 0.5 ml without loss of valuable sample. A one-step spin transfers 0.5-1.0 ml concentrate into a storage cup, assuring complete recovery of all concentrate. In addition, each de-

vice contains low protein adsorption Omega membrane, providing typically greater than 95% recovery without sample loss or alteration of biological activity.

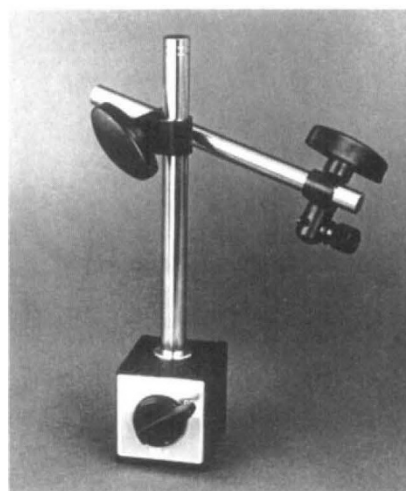
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## Incubator.

Medical Systems Corporation (Greenvale, NY) introduces a microincubator to maintain cells or tissue on the stage of a microscope. The unit is heated and/or cooled by peltier devices. It is operated as an open perfusion chamber, and features excellent optical and micromechanical access. A gas flow inlet across the chamber provides improved temperature uniformity and PH control.

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## Stands.

World Precision Instruments (Sarasota, FL) offers a variety of magnetic stands for holding manipulators and other lab apparatus. The magnetic base of each stand exerts a powerful force, holding the base solidly, even upside-down or on vertical surfaces. The magnetic field is controlled with an on/off switch. Several models feature a vertical post and a second arm that can be moved vertically and locked in almost any position.

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