mRNA Isolation Systems
The PolyATtract Series 9600 mRNA Isolation Systems allow the simultaneous isolation of polyadenylated mRNA from up to 96 tissue extracts or cell lysates in less than 2 hours. The systems combine Promega's PolyATtract technology, high capacity MagneSphere Streptavidin-coated paramagnetic particles, and a biotinylated oligo(dT) probe in a convenient 96-well plate format. The systems provide an efficient means to isolate amplification quality mRNA for developmental and tissue-specific screening and other purposes from milligram quantities of plant or animal tissues or less than 10⁶ cells per sample. Promega. Circle 141.

Ethidium Bromide Remover
A new, inexpensive filtration system rapidly removes the potent mutagen ethidium bromide from gel staining solutions. The Extractor device, a limited reuse disposable, removes >99% of the ethidium bromide from 1 liter of electrophoretic buffer in about 1 min. After filtration, the decontaminated solution can be poured down the drain, according to the manufacturer. The one-step procedure decontaminates for less than $1 per liter. Schleicher and Schuell. Circle 142.

Chemiluminescent Protein Assay
The Immuno-Lite assay for chemiluminescent detection of membrane-bound proteins is an alternative to radioactive probes. It is an alkaline-phosphatase–based system designed for protein immunoblotting detection. A unique light-emitting substrate allows the signal to be imaged on x-ray film. Kits are available for use with any type of blotting membrane. Rapid exposure times, stable light emissions, and hard-copy results are some of the advantages of the system. Bio-Rad Laboratories. Circle 143.

PCR Purification Kits
QIAquick PCR Purification Kits are for purification of DNA products directly from polymerase chain reactions (PCRs). The kit provides a fast and reliable silica membrane–based microspin procedure: simply adsorb fragments to the QIAquick membrane, wash away impurities, and elute pure DNA in 3 min. Removal of mineral oil is not necessary, and there is no phenol extraction, ethanol precipitation, or pipetting of slurries or resins. The purified DNA is ready for use in sequencing, restriction, ligation, and transformation. The kit eliminates 99.5% of contaminating reaction components, such as primers, enzymes, and unincorporated nucleotides. Qiagen. Circle 144.

Image Analysis System
The C-Imaging 1280 system can capture images at up to 1024 by 1024 resolution in 24-bit color and from 8- to 16-bit depth in monochrome. Multiple cameras can be connected simultaneously, including high resolution analog, RS-422 digital, monochrome, and color with software switching. Other input devices include cooled charge-coupled devices, scanning electron microscopes, videocassette recorders, and confocal microscopes. Images are displayed noninterlaced at 1280 by 1024 resolution for uninterrupted viewing with rapid zoom and roam capability for examination of details. Applications include in situ hybridization using grain counting techniques, quantitative autoradiography, cell counting and morphology analysis, fluorescence in situ hybridization, three-dimensional reconstruction and montage, and much more. Compix Inc., Imaging Systems. Circle 145.

DNA Purification System
The Wizard Series 9600 DNA Purification System can purify plasmid DNA from up to 96 cultures in less than 90 min. The integrated system features a high-performance vacuum manifold and novel racks for efficient isolation from as few as 8 or as many as 96 samples simultaneously without wasting plastics or reagents. Cleared alkaline lysates are transferred to Octocolumn Racks in the vacuum manifold. A resin is added to the columns, and vacuum is applied to wash and dry the samples. A standard 96-well plate is then placed into the manifold and the DNA is eluted by vacuum from the racks into the plate in small volumes of water or buffer. Plasmid yields are highly reproducible from well to well without detectable cross-contamination. DNA prepared with the system is ready to use in a variety of molecular biology applications such as sequencing, restriction digestion, and in vitro transcription without further purification. Promega. Circle 146.

Carbohydrate Sequencer
The RAAM 2000 GlycoSequencer features a new fluorescent labeling system. Labeling glycans with a fluorescent dye instead of tritium simplifies and speeds sample preparation and enhances sensitivity. As little as 50 pmol of N-linked oligosaccharide can be completely sequenced in 2 days with only a few hours of hands-on time. The instrument completes a product family for carbohydrate sequencing that includes the GlycoPrep 1000 for automating the release and recovery of glycans from as little as 10 μg of glycoprotein, the Signal Labeling Kit for fluorescently labeling glycans, and the GlycoSep Column Set, a high-performance liquid chromatography column set for one- or two-dimensional, high-resolution, high-speed profiling and fractionation of labeled glycan pools. Oxford GlycoSystems. Circle 147.

Literature
Nucleic acid labeling and detection products—the informed choice is a catalog that includes a guide for choosing the most appropriate method for applications such as post–polymerase chain reaction analysis, genomic Southern (DNA) blotting, and low-abundance Northern (RNA) blotting. Amersham Life Science. Circle 148.

The Pipette Puller describes an instrument designed to meet all multibarrel pipette, patch, extracellular electrode, injection, and holding pipette needs. Innovative and flexible, this compact puller offers linear bearing and advanced sensor technology, a three-axis coil positioning system, and dual heat controls. ASI Instruments. Circle 149.

PolyScience Constant Temperature Equipment describes a complete line of refrigerated and heating circulators, recirculators, and chillers. PolyScience. Circle 150.
PRODUCTS & MATERIALS

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