Microporous Membranes
BIO-BLOT + and BIO-BLOT PVDF microporous membranes are solid phase supports with high binding characteristics for biologically active molecules and a high affinity for proteins and nucleic acids. They provide high surface area matrices for immobilization of nucleic acids and proteins and are ideal for most applications requiring nitrocellulose or nylon membranes. The capacity and binding strength of these membranes require much smaller quantities of biomolecules for signal detection than standard nitrocellulose membranes. They also provide a low background in radioactive and nonradioactive detection systems for accurate signal detection. AMRESCO. Circle 140.

Aqueous Storage Formulation
ProDil is a formulation for the aqueous storage of proteins, antibodies, and small molecules. EnzDil is a formulation for aqueous storage of enzymes and enzyme conjugates. Most of these compounds are unstable in liquid form, except in these unique formulations. ProDil allows proteins and antibodies to remain in solution, but prevents their adsorption to the surface of glass or plastic containers. It also contains preservatives that protect its disintegration by bacteria and other contaminants. EnzDil functions in a similar fashion for enzymes and conjugates. Creative Scientific Technology. Circle 141.

Sequencing Kit
The SequiTherm Long-Read Kit is designed for use with automated DNA sequencing machines. The kit features SequiTherm DNA polymerase, noted for producing more uniform band intensities and fewer dropouts than other thermostable polymerases. When SequiTherm is used in combination with the specially formulated Long-Read nucleotide mixes, runs of greater than 1000 bases can be obtained with superior base-calling accuracy. For example, the Long-Read Kit has been used with the LI-COR 4000L system to generate more than 1000 bases of sequence with an accuracy of greater than 99% through base 800. Epicentre Technologies. Circle 142.

Gel Documentation
The SPEEDLIGHT Gel Documentation System relies on a high resolution charge-coupled device camera to produce very low cost thermal prints, nearly eliminating instant photography operating costs. New upgrades to the system include dramatic improvement to the on-chip integration device, extending its capabilities to 399 frames of integration. Because on-chip integration preferentially increases signal over noise, this allows greater sensitivity for ethidium bromide-stained DNA with the added benefit of a greater working range of input intensities. B/T Scientific Technologies. Circle 143.

Protein Sequence Software
A major upgrade of the Cameleon protein sequence alignment and analysis software package integrates the work of molecular biologists with that of molecular modellers. Cameleon allows scientists to create protein sequence alignments and then analyze them to predict a protein’s structure. This version can read an unlimited number of sequences and automatically produces quality alignments by using the fastest commercially available algorithm of its kind. Expert users can further refine the alignments on their own. Oxford Molecular. Circle 144.

Unit Conversion and Calculation Software
UNICALC, which runs under Microsoft Windows, is a scientific calculator that understands and converts units of measure. It simplifies problem-solving by allowing you to calculate directly with data having inconsistent units. You enter parameters with the units you know and get results in the units you want. All internationally recognized units are supported, along with hundreds of common and esoteric units. Calchem Software. Circle 145.

Antibodies
An extensive line of antibodies to detect markers on both resting and active platelets can be used to study platelet dysfunction, cardiovascular disease, and other subjects. Resting platelet markers include CD9, CD16, CD29, CD31, CD36, CD41(a), CD41(b), CD42a, CD42b, CD49b, CD49e, CD49f, CD51, and CD61. Activated platelet markers include CD63, activated GPIIbIIIa, and thrombospondin. AMAC. Circle 146.

Image Analysis System
The Videometric 150 is a personal computer–based true color, real-time image analysis system. The system has several novel features, including a unique color analysis technology for the accurate identification of cell and tissue types for various applications. Applications include the analysis and quantification of immunohistochemistry, stained tissue morphology, fluorescent marker identification and analysis, in situ hybridization autoradiography studies, and general morphological measurements. Oncor Instrument Systems. Circle 147.

Literature

ATCC Catalogue of Recombinant DNA Materials, 1993 is a 150-page listing of cloning vectors; hosts for transformation and transfection; clones from animal, bacterial, fungal, yeast, plant, viral, and viroid genomes; libraries; Saccharomyces cerevisiae genomic clone maps; and constructs with special applications. American Type Culture Collection. Circle 149.

Phenomenex for Chromatography is a catalog on a full line of high-performance liquid chromatography columns and accessories, including microphone, minibore, analytical, preparative, rapid analysis, and guard columns. Specialized columns for basic drugs, nonaqueous gel permeation chromatography, environmental analysis, proteins, carbohydrates, and chiral separations are described in detail. Phenomenex. Circle 150.