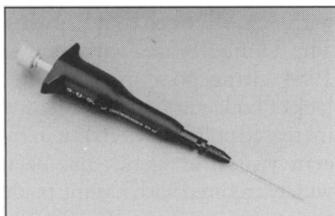


## Fusion Protein Purification

In the PheBo-System for fusion protein cloning and purification, the protein of interest is cloned next to the leader protein  $\beta$ -lactamase. The expressed fusion protein remains in the cytoplasm or is released into the periplasm. The leader protein is cut off by a site-specific endoproteinase, which also cleaves inclusion bodies. Two passages through the PheBo-affinity column yield the pure protein of interest, while  $\beta$ -lactamase and the endoproteinase remain on the column. **MoBi-Tec. Circle 138.**

## Microinjection Pipette

The manual Oocyte Microinjection Pipette with nonrotating plunger eliminates tip wobble and provides precise cell penetration



for deposition of DNA. Volumes of 30 nl or more can be injected with reproducible accuracy. Minimal or no overshoot of oil interface is ensured. **Drummond Scientific. Circle 139.**

## Plasmid Map Drawing for the Macintosh

MacPlasmap version 2 is a Macintosh program to facilitate the drawing of circular and linear plasmid maps. Special tools are provided for fast entry and accurate placement of restriction sites and genes on a map. Sites and genes can be drawn with various styles, colors, patterns, and symbols. Circular maps can be rotated and converted to linear maps at any point of the map. The ability to cut, copy, and paste map features within or between maps and to delete, insert, and invert

map regions allows new maps to be easily constructed from pre-existing ones. To aid fast entry of map features, MacPlasmap can import sites from PICT files generated from other DNA analysis programs and read genes and other features from feature tables of GenBank and EMBL sequence files. **CGC Scientific. Circle 140.**

## Technical Plotting for Windows

Spyglass Plot technical plotting software is now available for Windows. The program can generate line plots, double-Y plots, color scatter plots, and parametric plots. The plots can be easily edited with different line types, colors, symbols, numbers, curve fitting, and error bars. Users can quickly add labels, scales, legends, and titles. Results can be printed by high resolution PostScript printers or exported as EPS and HDF files. **Spyglass. Circle 141.**

## Monoclonal Antibodies

The monoclonal antibody (mAb) Anti-BrdU, clone BU-33, reacts specifically with bromodeoxyuridine incorporated into DNA or coupled to a protein carrier. The antibody recognizes BrdU in the nuclei of formalin-fixed, paraffin-embedded tissue sections of animals treated with in vivo administration of BrdU. It can be used in studies to identify DNA synthesis in cells by the detection of BrdU incorporation using immunocytochemistry and immunohistochemistry. **Sigma Immunochemicals. Circle 142.**

A mAb to p53 (clone BP 53-12) recognizes an epitope on the primate p53 nuclear protein that is resistant to denaturation. It can

be used for the detection and quantitation of p53 in malignant tissues using immunohistochemistry, immunocytochemistry, enzyme-linked immunosorbent assay, immunoblotting, and immunoprecipitation. **Sigma Immunochemicals. Circle 143.**

A mAb that can distinguish between the bioactive, dimeric human inhibin and the large excess of free alpha subunit forms found in body fluids has applications in infertility research. **Harlan Bioproducts for Science. Circle 144.**

## Dry Ice Machine

A new Insta-Ice dry ice machine that produces 3-pound blocks in about a minute and a half offers cost-effectiveness compared with dry ice pellets and smaller blocks. The larger block facilitates longer working periods in the lab. Instant access to the ice eliminates the long waits and costly minimums needed for delivery from commercial vendors. The machine complements a line that includes 1-pound and 2-pound dry ice block makers. **Polyfoam Packers. Circle 145.**

## Gel Visualization and Documentation System

A new electronic instant photography system for visualization and documentation of electrophoresis gels can make traditional cameras obsolete and cut costs dramatically. Any stain type, wet gel, or autoradiogram can be photographed in seconds. The FP 1000 Visualization System incorporates a high resolution charge-coupled device camera with a 600-nm filter, a 256 gray scale thermal printer, a monochrome 9-inch monitor, and a low pro-

file darkroom with a viewing port. Adding the PHD 2000 Documentation System allows digital storage and archiving of the pho-



tographed images on a 3.5-inch floppy disk and provides for serializing and dating of the stored images. The PHD 2000 can also enhance the images with integration to intensify the faint bands and averaging to reduce the background noise. **Ultra-Lum. Circle 146.**

## Literature

*Stratagene Cloning Systems 1994* highlights the additions of more than 50 new products to established lines of molecular and cellular biologicals and equipment. The 327-page publication lists cloning vectors, competent cells and packaging extracts, transfection reagents, nucleic acid purification products, markers and standards, synthetic oligonucleotides, modifyng enzymes, restriction enzymes, and more. **Stratagene. Circle 147.**

*Culture with Confidence* describes a line of water-jacketed CO<sub>2</sub> incubators designed to maintain ideal growth conditions for cell and tissue culturing applications. **Precision Scientific. Circle 148.**

*Cytokine Release from Human Leukocytes* is a poster with up-to-date information on cytokines and their cellular sources. **R & D Systems. Circle 149.**

*Multiple-use CCTV/Photo Adapters for Nikon Microscopes* and *Multiple-use CCTV/Photo Adapters for Olympus Microscopes* describes a complete product line. **Optem International. 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.

## PRODUCTS & MATERIALS

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