

## Portable Clean Air Enclosure

The Microlab Clean Air Enclosure is a portable cleanroom, providing instant Class 100 isolation for research, development, and manufacturing where equipment and processes are susceptible to damage from airborne contaminants. An inflatable fabric plenum to which pressurized, high-efficiency particulate-filtered air is delivered uni-



formly through a unique, clear perforated ceiling. The plenum is attached to collapsible "Gull Wing Ceilings," which fold down to allow the device to pass through a standard 36-inch doorway, then expand to allow 40 square feet of inside space. Entry and exit is through clear vinyl curtains, which also serve as a barrier from the outside. The room takes less than 30 min to set up. Airo Clean Engineering. Circle 457.

## Software for Nonlinear Curve-Fitting

PeakFit is a scientific and engineering software package designed for researchers collecting data via different techniques (including spectroscopy, chromatography, and analysis of chemical, pharmacological, waveform, engineering, and statistical phenomena), who need to separate and analyze multiple, overlapping peaks or functional forms. PeakFit offers both nonlinear curve-fitting and peak quantitation (such as amplitude,

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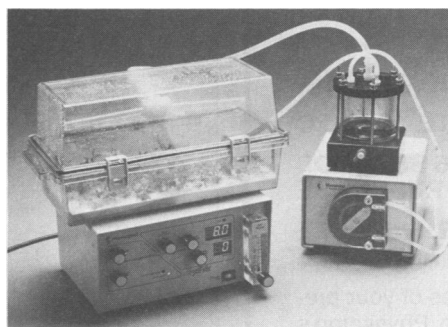
area, and centers). Data can be entered via the keyboard or imported from Lotus 1-2-3, dBase, SigmaPlot 4.0, ASCII files, and other formats. The user selects a function for the data, and PeakFit automatically lays down a best guess for the fit. The user can then graphically manipulate the amplitude, center location, and width of the peak on the screen. Printed reports include an equation summary, a data table summary, and standard error analyses as well as full- and half-page graphs. Jandel Scientific. Circle 459.

## Nonprotein Binding Gel

Avid AL is a low molecular-weight, non-protein, noncarbohydrate affinity ligand for purification of immunoglobulin G from any animal serum. The synthetic gel offers higher capacities than Protein A and Protein G for all species, and can also bind murine monoclonal antibody from hybridoma supernatant and ascites fluid. The gel can be autoclaved; it is resistant to acid, base, and protease; and it is not subject to protein leaching. No specialized buffer is needed. The Nest Group. Circle 496.

## Plant and Tissue Growth Environment

The Mistifier system provides a controlled environment for plant cell and tissue culture research. The patented system allows the researcher to create and duplicate specific conditions by manipulating a variety of factors affecting plant cell growth, including gas content and the introduction of soluble components in the nutrient mist. The aeroponic approach eliminates the use of agar, which reduces the need to handle propagules. The generation and collection of by-products is facilitated by an exit port



in the growth chamber. Applications for the product include plant genetics, commercial micropropagation, soil research, collection of by-products for the pharmaceutical and cosmetics industries, and agrichemical research. Manostat Corp. Circle 458.

## Device Blows Away Static and Dirt

The Ionizing Transvector neutralizes static electricity and blows off contaminants from a wide area. It stops static cling and dust attraction in webs and sheets of material, helps reduce machinery jams, prevents damage to sensitive electronic components and biomedical products, and provides cooling. Consisting of an ion-emitting Static Bar and a compressed air-powered Curtain Transvector, the device delivers positive and negative ions in a uniform curtain air stream at distances of up to 4.6 m (15 feet). With no moving parts, instant on and off capability, and easily controlled output, Ionizing Transvectors can replace fans and blowers for quiet, low-maintenance operation. Vortec Instruments. Circle 514.

## Literature

*Protein Expression and Purification* is a new international journal to provide investigators with a forum for reporting the purification or expression of a protein and for exchanging detailed descriptions of procedures. Academic Press. Circle 515.

*Product Catalog* from Hamilton contains 85 pages of columns, diluters and dispensers, syringes, instrumentation products, and valves. Hamilton. Circle 516.

*Gradient Formers* is a four-page brochure describing instruments for pouring electrophoresis gradient gels and for density gradient centrifugation. Jule. Circle 517.

*LDC Environmental HPLC* is an eight-page, color brochure that describes the wide range of practical applications for high-performance liquid chromatography (HPLC) for environmental monitoring and analysis. LDC Analytical. Circle 518.

*IEEE-48 and VXibus Control, Data Acquisition and Analysis* is a 480-page catalog that describes a comprehensive line of hardware and software products for engineering and scientific applications. National Instruments. Circle 520.

A new *Applications Bulletin* contains the protocol for RNA isolation with Nucleobond AX Cartridges, a low-pressure liquid chromatographic tool for the isolation and purification of RNA, DNA, and plasmids. The Nest Group. Circle 521.

*Biocompatible HPLC Systems* serves as an aid in configuring high-performance liquid chromatography (HPLC) systems with biocompatible components. Several systems are available from the manufacturer to meet various sample load, injection, and elution requirements. Gilson Medical Electronics. Circle 522.

# Science

## Products & Materials

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