

Portable Metabolic Computer

Oxymax-H is a fully portable metabolic computer. It includes oxygen and carbon dioxide analyzers and an IBM-compatible laptop computer for data collection and control. Metabolic data are stored on an internal hard disk and can be transferred to another computer by way of floppy disks or communications facilities. Data can also be printed in tabular or graphic formats. During experiments, oxygen consumption, carbon dioxide production, respiratory exchange ratio, and caloric expenditure are plotted in real time on the screen. The apparatus is 23 by 43 by 51 cm and weighs 21 kg. The system does not require direct patient contact and does not have any valves that could restrict patient movement or respiration. Columbus Instruments. Circle 529.

Microcentrifuge

The PicoFuge microcentrifuge weighs only 2.2 kg and occupies only 13 by 13 cm of benchtop space. It holds up to six 1.5-ml tubes. Maximum speed is 5000 rpm; maximum *g* force is 2000. Stratagene. Circle 530.

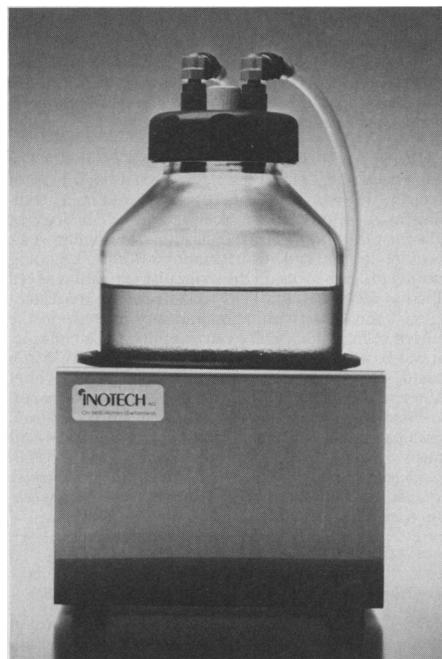
Stirring Hotplate Heats with Infrared

Model 4100 stirring hotplate provides a high temperature of 615°C and can boil 1 liter of water in 9 min. The device heats with electromagnetic radiation in the infrared range, produced by a patented molybdenum disilicide element. More than 80% of the infrared light passes directly into the sample, not into the container. The appliance provides more uniform heat-up and boiling, because container variables cannot affect the process. Fisher Scientific. Circle 531.

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.

Aspirated Liquid Collector

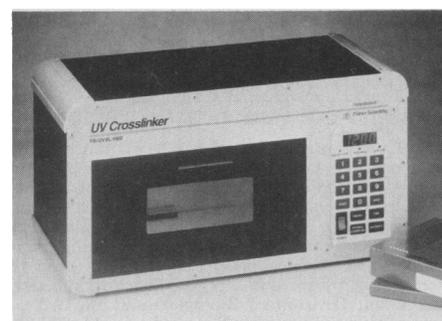
The VACU-Bottle makes collection of aspirated liquids from tissue culture easier. The bottles are coated with a polymer to ensure containment of liquid contents, even if the Pyrex glass is cracked or broken. The bottles are resistant to exposure to acids,



alcohol, and most common solvents, and the entire unit, including lid and fittings, is autoclavable. Aspirated liquids flow to the 3-liter safety bottle in silicon or polyvinylchloride tubing, and quick seal couplers prevent drip loss at tubing connections. Inotech Biosystems International. Circle 513.

UV Crosslinker

The FisherBiotech Ultraviolet Crosslinker binds nucleic acid samples to hybridization membranes in 15 to 30 s. It binds samples covalently after blotting procedures or colony and plaque lifts. The unit provides four modes of operation: a pre-programmed "Optimal Crosslink" mode, plus "Intensity," "Energy," and "Time" modes. Mode and



values are selected by keyboard. A light-emitting diode display and user-friendly messages guide the operator. The chamber door has a window for viewing samples and tubes. Fisher Scientific. Circle 540.

DNA Sequencing Kit

The AmpliTaq Sequencing Kit features the recombinant, thermostable enzyme AmpliTaq DNA Polymerase, mixed with annealing-labeling buffer and deoxynucleotides, providing researchers with a convenient two-step sequencing protocol. The kit contains modifications that enhance the results of the Sanger DNA sequencing method. The kit's 22-nucleotide M13 (*lacZ*) primer binds rapidly to the target DNA and provides single-step annealing and labeling. The temperature stability of AmpliTaq DNA Polymerase allows sequencing reactions to be performed at 72°C, at which temperature templates show minimal secondary structure and the stringency of primer hybridization is high. The kit includes labeling mix, stop solution, M13mp18 Control, an M13 (*lacZ*) primer, and A, G, C, and T termination mixes. Perkin-Elmer Cetus Instruments. Circle 538.

Duster for Lab Equipment

The Blow-Hard ES is an environmentally safe duster with no ozone-damaging chlorofluorocarbons. Each blast is triple-filtered for purity and for removal of laboratory dust and dirt from optical equipment, computers, electronic assemblies, and a wide variety of apparatus. Each 15-ounce container comes with two extension tubes, one for delicate dusting and one for full-strength use. Manostat Corp. Circle 532.

Literature

1991 Analtech TLC Catalog includes a wide variety of thin-layer chromatography plates and supplies. Analtech. Circle 533.

Disposables for Liquid Handling describes a wide selection of products for pipetting, dispensing, measuring, and storing liquids. The catalog gives product dimensions, chemical data, and applications. Bio-Rad Laboratories. Circle 576.

The *Membrane Selection Guide* folds out to a large, color-coded wall-chart with more than 75 different membrane types and applications. Users can cross-reference membrane type, pore size, protein binding, bubble point, and other information. Millipore. Circle 534.

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