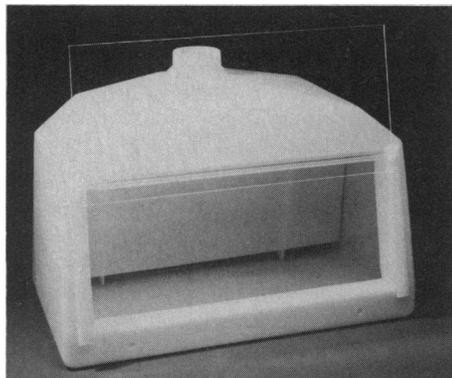


Plastic Fume Hood

The H50000 is a portable, one-piece fume hood constructed of polyethylene. Its dimensions are 106.7 cm wide, 50.8 cm deep, and 76.2 cm high, and it weighs only



50.8 kg. Installation consists of connecting the 15.24-cm (6 inch outside dimension) venting stack to ducting from a blower or central exhaust system. A clear acrylic sliding panel travels vertically in side tracks and stays in either open or closed position. Bel-Art Products. Circle 569.

Ultrahigh Purity Avidin

AVIDIN is a highly purified, crystalline avidin prepared from egg whites. A new isolation process guarantees a single band of glycoprotein. Activities of different batches range from 13.0 to 14.8 units per milligram of protein. A biotin antagonist, AVIDIN is suited for applications in affinity chromatography, affinity cytochemistry, affinity labeling, inhibition of bacteriophages, and cell surface molecular interactions. Less nonspecific binding occurs owing to the high purity, resulting in lower background noise and clearer results. International Enzymes. Circle 562.

Shaking Water Bath

The Model SS-40 is an electronically controlled thermostatic bath with a shaking platform driven magnetically from underneath the tank. Because the water bath tank

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.

is on top of the shaking mechanism, the unit has a small footprint, yet has a tank capacity of up to 36 25-ml Erlenmeyer flasks. Temperature may be maintained between 0° to 80°, 0° to 100°, or 20° to 140°C. The temperature control is completely electronic, and its dial is marked in intervals of 1°C. The shaking mechanism is a permanently lubricated system with a magnetic drive and a variable speed motor. Stroke length and speed are adjustable: the length can vary between 1.27 and 5.08 cm and the speed between 0 and 200 strokes per minute. Safety features include a fixed-temperature thermal cutoff, no protruding arms or cranks, and a motor that disengages if the platform meets an obstruction. Science/Electronics. Circle 567.

Anaerobic Bacteria Library Database

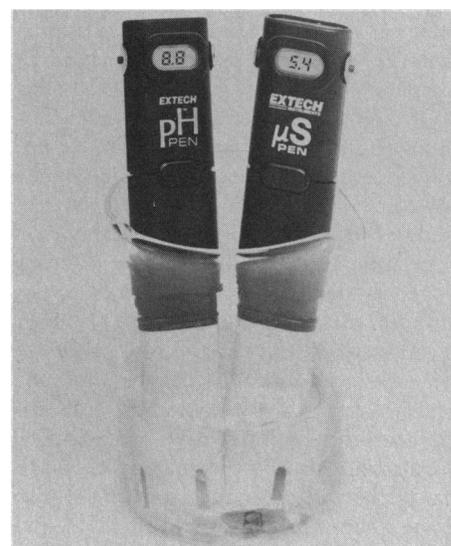
An anaerobic bacteria library database is now available for the HP 5898A microbial identification system. The library contains more than 50 groups of anaerobes, including species of actinomycetes, bacteroides, *Clostridium*, fusobacteria, *Propionibacterium*, and *Veillonella*. Identification is achieved by comparing fatty acid profiles to the system's composite profiles derived from known strains. These profiles are obtained through high-resolution gas-chromatographic analyses of whole cell lipids. The system generates a printed report of the fatty acid profile, and a pattern recognition program computes a similarity index to the closest library match. Automated microbial identification improves accuracy by eliminating tests based on color perception and other subjective methods. The system will process up to 50 samples a day. The software operates on the HP 9000 Series 200 and 300 computers. Hewlett-Packard. Circle 570.

Neutrally Buoyant Glass Beads

Ventreglas beads are microcarrier glass beads that do not require rapid stirring speeds. They can be made with a specific gravity of 1.03 and diameters of 90 to 150 or 150 to 210 μm or to densities and diameters specified by the user. Except for their low specific gravity, Ventreglas beads offer the same advantages as glass: they have smooth, inert, nonporous surfaces, and they are easily and effectively sterilized by irradiation or autoclaving. Ventreglas beads have been used up to ten times with no degradation of cell growth capacity. Bioventures Group, Ventrex Laboratories. Circle 583.

Pocket pH, Conductivity Gauges

The pH Pen and the Conductivity Pen are battery-operated, pocket-sized measurement devices with a digital liquid crystal display. The pH Pen can measure pH between 2 and



12 with a 0.1 resolution and operates at temperatures between 5° and 40°C. The Conductivity Pen contains a built-in cell with an automatic temperature compensator. Each pen weighs only 113.4 g. Each instrument turns on when its cap is removed, and it begins measurement upon immersion in a liquid. Extech Instruments. Circle 566.

Literature

The *G86-7 Instrument Catalog* contains 32 pages of gauges, flowmeters, and other instruments as well as another 32 pages of technical papers. Gilmont Instruments. Circle 592.

Very Thick Film Columns is a brochure featuring a line of columns for highly volatile compounds. J & W Scientific. Circle 593.

Surface Mount Components features discrete semiconductors, Hall effect integrated circuits, interface and linear IC's, solid tantalum capacitors, Monolithic ceramic capacitors, resistor networks, computer delay lines, and inductors. Sprague Electric. Circle 594.

The 7100 Aerospray details a hematology slide stainer that stains and dries up to 12 smeared slides in 3 minutes. Wescor. Circle 602.

Innovation in Freeze-Drying Technology contains information on a line of standard and custom-built freeze-drying equipment. Edwards High Vacuum. Circle 603.

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