Fixative Without Formaldehyde

Mirsky's Fixative has virtually no odor and is considerably less toxic than formaldehyde- and glutaraldehyde-based fixatives. Tissue is well penetrated rapidly and there is less over-hardening and shrinkage as well. Samples processed with Mirsky's Fixative for light microscopy may subsequently be used in electron microscopic procedures. The fixative is available ready-to-use, neutral, buffered, isotonic, and iso- and osmotic. National Diagnostics. Circle 574.

Balances

Models 3315 and 3345 are top-loading electronic devices with 400- and 4000-gram capacities, respectively. Model 3315 is precise to within 0.01 gram and model 3345 is precise to within 0.1 gram. Digital filters render stable readings rapidly. Standard features include seven-segment LED display, pushbutton tare, and below-balance weighing. Sientech. Circle 570.

Vibration Isolation Benches

Lightweight tables are available to isolate instrumentation from vibrations transmitted from the floor. They also internally damp mechanical and structural resonances. The resonant frequency of the isolation mounts is low for isolation and the resonance frequency of the table is high to achieve high static rigidity. The resonant frequency of the isolation mounts is well under 1 hertz when fully loaded in the vertical direction and less than 2 hertz in the horizontal direction. The resonant frequency of the table top exceeds 350 hertz and impulse excitation is damped within 0.1 second. Table tops are available with either a magnetic stainless steel mounting surface with an array of mounting holes or with Formica over a honeycomb structure. Newport Research. Circle 573.

Microtome Cryostat

Model OTF cryostat and 5030 microtome offers timed autodefrosting, control of chamber temperature from ambient through -30°C, and an open top mode that permits ease of operation of the indirect drive hand wheel. An optional power drive is also available for the microtome. There is an accessory storage shelf. Specimens are automatically retracted on the return stroke of the knife. There is a self-aligning, adjustable antiroll device. Interchangeable advance mechanisms for glass or steel knives are also available. The device features a quick freezer with room for six specimen holders. A delay switch permits programmed quick freezing up to 27 hours before the time the user wishes to section materials. Hacker Instruments. Circle 571.

Laboratories

Equipped 800-square-foot laboratories may be ordered to customer specifications. Laboratories meet applicable building and safety codes, even those relating to biological containment. These facilities are air conditioned and well insulated. A utilities section provides gas, water, deionized water, heat, vacuum, and electricity to required outlets. Customer may specify requirements for apparatus and instrumentation which will be installed and tested before delivery. Totalab. Circle 569.

DNA Sequencer

The Genedyne 1 consists of two electrophoresis cells and a power supply. The model 4000 cell may be operated with 0.4-millimeter gels at up to 4000 volts. More than 300 bases may be read from a single fragment run on 20 percent and 8 percent acrylamide gels. The system makes optimum use of standard (14 by 17 inch) x-ray film. The cells feature safety interlocks and cabinets are constructed from nonconductors. The Genedyne 1 system is suited to large-format electrophoresis where a liquid junction is desired. Fotodyne. Circle 572.

Literature


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 (on pages 438A and 438B) and placing it in a mailbox. Postage is free.

-RICHARD G. SOMMER