Water-Soluble Mounting Medium

Aqua-Mount is a phosphate-buffered water-soluble mounting medium. It is suitable for procedures in which the last step in staining is aqueous, such as in amyloid or fat stains, frozen sections, or immunofluorescent slides. Its low viscosity enables it to permeate tissue readily and to flow swiftly in between the cover glass and slide. It fills empty space, releases air bubbles, promotes rapid setting, and affords clear viewing. It is semi-permanent, nonfluorescing, and buffered to maintain fluorescence. It comes in packages of six 20-milliliter dispenser bottles. Lerner Laboratories. Circle 692.

Laboratory Flasks

Kool-Grip wash bottles and flasks are made of borosilicate glass with heat-insulating, cool-to-the-touch composition cork jackets permanently bonded to their necks. A model is available in 500-, 1000-, and 2000-milliliter capacity with a pouring lip to assure dripless transfer. Guth Products. Circle 695.

Atomic Absorption Atomizer

The IL 555 CTF features temperature feedback. A calibrated tungsten-based wire is in contact with the graphite cuvette which contains the sample and acts as a resistance thermometer. As the graphite heats the wire, the resistance of the wire increases at a known rate. The wire forms part of a feedback circuit which assists in regulating the current supplied to heat the graphite. This setup causes the furnace to heat rapidly to yield tall, narrow absorbance peaks which improves sensitivity. An example of this is the determination of titanium in the range of 0.5 microgram per liter (parts per billion). Instrumentation Laboratory. Circle 694.

Animal Activity Meter

Automex employs a tracking circuit that maintains its sensitivity throughout an experiment and features close tolerances to facilitate comparison of measurements from one instrument to those from others. The meters may thus be grouped for such experiments as drug screening for effects on animal behavior. The instrument uses standard plastic cages and measurements are not influenced by food, water, or bedding. The device records vertical and horizontal movements as detected by a radio-frequency electromagnetic field sensor. Columbus Instruments. Circle 697.

Refractor Telescope

Model 105 2-inch refractor is suitable for serious beginning observers. It features a coated, air-spaced, 50-millimeter achromatic objective. The altazimuth mounting provides accurate slow and fast controls for both altitude and azimuth motions. Other standard equipment includes a star diagonal; 28- and 78-power objectives; 4-power, 19-millimeter viewfinder with crossline; and a sturdy wooden tripod. A variety of accessories and attachments is available for terrestrial viewing, photography, and other applications. Unitron Instruments. Circle 698.

Stereoscopic Accessory for SEM

A stereoscopic observation and measuring instrument has been developed for scanning electron microscopy. It produces three-dimensional images, magnified up to 500,000 times, which can be measured while under observation to maximum of 300 angstroms for height and up to 30 angstroms for length at width on the Hitachi HFS-2 scanin electron microscope. It consists of two memory devices, a time-sequenced three-dimensional television system with a PLZT electro-optical shutter, and three-dimensional measuring unit. The specimen is tilted in the microscope column and electron beams are directed at it from two incident angles. The two images produced are stored in the memory devices and shown on a monitor timed as tertanely at one-sixtieth of a second an synchronized by the shutter. Hitachi. Circle 693.

Oxygen Detector

The Oxygen Indicating Tube is used in conjunction with a connecting tube and multigas detector pump to determine oxygen concentration in ambient air and other gases. A stroke of the pump causes the tube to indicate percent of oxygen. To activate the system, the ends of the indicating and connecting tubes are broken, the two are joined by a rubber connector and the set is placed in the pump. Each connecting tube can be used for times and each indicating tube can be used once. The tubes are unaffected by moisture and may be used in temperatures from 0°C to 90°C. If stored at less than 30°C, the tubes have a shelf life of years. National Mine Service. Circle 696.

Literature

Electronic Kits are included in the fall catalog for television, test instruments radio, stereo, auto accessories, clocks and other do-it-yourself items. Heath Circle 699.

Instruments at a Glance features a list of analytical products, such as gas and liquid chromatographs, spectrophotomers, mass spectrometers, electrometers and data processors. Varian Instruments Group. Circle 700.

Neuroscience, Statistics, Psychology is a 1977 catalog of audiovisual program and materials in these disciplines. Lif Science Associates. Circle 701.

Chromatography Data Processors in cludes devices designed by chromatographers for evaluation of data collected with these analytic techniques. Laboratory Data Control. Circle 702.

2200 Portable Computing System is described in an illustrated brochure. Wan Laboratories. Circle 705.