

Coated Slides for Serological Testing

Microscope slides coated with polytetrafluoroethylene (PTFE) resin aid immunofluorescence testing. Multispot slides are useful in syphilis, malaria, and autoimmune serological procedures. Multispot slides are formatted with 3-, 6-, or 9-millimeter spots and permit processing of up to 120 units at one time. Three sizes are available: 1 by 3 inch with 12 clear spots, 2 by 3½ inch with 28 spots, or 4¼ by 7½ inch with 120 spots. The coating is available in black or white on the smaller slides and in a standard coating for multiple use. All slides are offered with a heavy white coating for extended use. Shandon Southern Instruments, Incorporated. Circle No. 290 on Readers' Service Card.

Mass Spectrometer Handling Accessory

The EM 6190 Direct Probe permits a nonvolatile material to be introduced directly into the ion-source region of the Varian EM 600 mass spectrometer. It consists of a vacuum lock assembly, a probe or wand holding the sample, and a controller unit for setting the temperature and heating the sample in a regulated manner. The sample is heated in the top of the probe to the point of volatility, up to 300°C, under vacuum conditions at the ion source. Varian Instrument Division. Circle No. 286 on Readers' Service Card.

Dissolved Oxygen Meter

The Model DDO reads parts per million, PO_2 , percent saturation, and temperature. It features a liquid crystal display scale suitable for field use even in bright sunlight. Probes are available for studies involving depths up to 200 meters. It is adaptable to continuous recorded telemetry or for use in the laboratory. Martek Instruments, Incorporated. Circle No. 292 on Readers' Service Card.

Gamma Spectrometer

The 5000 series Auto-Gamma Spectrometer System is a modular device with up to 300-sample capability. Auto-Gamma can handle double- and triple-isotope determinations simultaneously or in random order. Tube sizes may be varied in a single operation. The de-

tektor is designed to eliminate counting errors from geometry differences in bound and free radioimmunoassay samples, to provide precise elevator positioning for optimum counting, and to allow radioactive samples in a run without affecting samples of low activity (cross-talk). In addition there is a control to eliminate recalibration necessitated by changes in room temperature. Packard Instrument Company. Circle No. 294 on Readers' Service Card.

Pocket Calculator

The Scientific (Fig. 3) features an "upper" and "lower" case operation which allows 12 functions to be obtained. There are keys for addition, subtraction, multiplication, logarithms to base 10, antilogarithms, sine, cosine, tangent, arcsine, arccosine, and arctangent. Thus squaring, doubling, raising to powers, and determining roots are accommodated. Entry and result are in scientific notation with a signed five-digit mantissa and a signed two-digit exponent. The device weighs 3½ ounces and measures 4½ by 2 by ¾ inch. Sinclair Radionics Incorporated. Circle No. 293 on Readers' Service Card.

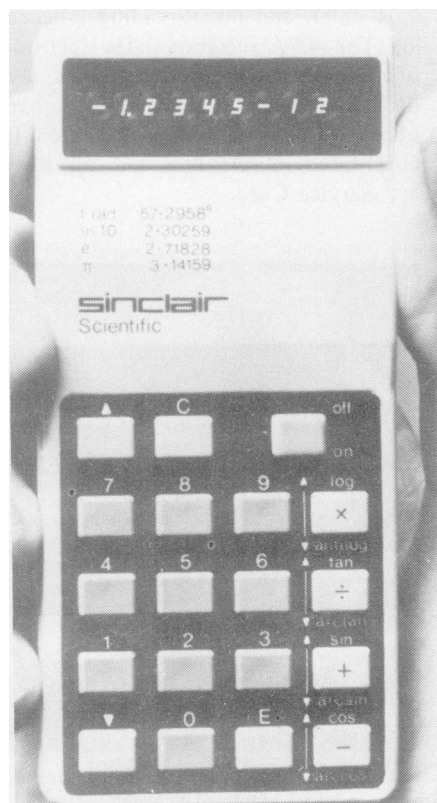


Fig. 3. Sinclair Scientific pocket calculator. Twelve function capability is controlled on an 18-key board.

Thin-Layer Scanner

A radiochromatogram scanning system is available that will accommodate plates up to 20 by 20 centimeters or paper or film. The detector is a high-resolution, low-background, windowless gas flow detector. The scanner comprises a flat-bed potentiometric chart recorder. The chart paper draws the plate under the detector to synchronize the radiochromatogram and trace movement. There are six scanning speeds. Features include resolution of 2 millimeters and automatic scanning in two dimensions. The rate meter has ten count ranges from 3 to 100,000 counts per second (accuracy ± 2 percent FSD). Panax Nucleonics Canada Limited. Circle No. 295 on Readers' Service Card.

Literature

Lipid Reagent System is a four-page brochure that describes reagents for lipid profile determination. Reagents for triglyceride, total lipid, phospholipid, beta-lipoprotein, and stable cholesterol tests as well as lipid reference serum are included. Hycel, Incorporated. Circle No. 297 on Readers' Service Card.

Quality Assurance in Blood Banking lists products for all facets of blood banking including typing serums, alcohol swabs, lancets, microhematocrit tubes, and instrumentation for cross-matching procedures. Scientific Products Division, American Hospital Supply Corporation. Circle No. 298 on Readers' Service Card.

Med-Lab Reporter is an eight-page newspaper that offers capsule reports on new products for the clinical laboratory. The latest issue (volume 13, No. 3) features several hundred items, such as instruments, clinical test kits, accessories, and apparatus. Fisher Scientific Company. Circle No. 299 on Readers' Service Card.

A Complete System for Maintaining Sample Integrity introduces the Filette disposable sample clot/fibrin separating filter pipettes for plasma and serum processing. Sharon Medical Products Corporation. Circle No. 283 on Readers' Service Card.

Gilford Lab-Letter (volume 2, No. 4, 1973) features an article on an enzyme-multiplied immunoassay technique (EMIT®) for rapid drug analysis. Gilford Instrument Laboratories Incorporated. Circle No. 284 on Readers' Service Card.

Science

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