

PRODUCTS and MATERIALS

Digital Thermometer

This new thermometer (Fig. 1) features a digital display to within 0.1°C that is accurate to within 0.1 percent over the full range of -99.9° to +199.9°C. It is portable and self-contained. It is also self-compensated for an ambient temperature from 4° to 53°C. The 100-ohm platinum probe is joined by a 6-foot wide connection. Forma Scientific. Circle 826.

Urine Specimen Collection and Transport

A system is available that uses disposable products for convenient collection and delivery of specimens from patient to laboratory (Fig. 2). The tubes are constructed for use in a centrifuge. Tubes are flared at the top for secure fit and ease of filling and for use with micro urinometers. Tubes are calibrated and feature a pouring track. Other components of the system are collection cups, caps, patient identification labels, and a 20-tube transport rack. Lab-Tek Products Division, Miles Laboratories. Circle 819.

Liposomes

In certain solutions, lecithin and cholesterol spontaneously form tight globular masses that resemble membrane structures and are called liposomes. If charged, mutually repulsive molecules are introduced into the aqueous channels between the layers in such masses these channels may be widened. These channels trap ions present in the aqueous phase when the masses are formed. Removal of untrapped ions by dialysis or gel filtration permits the determination of the rate of leakage of sequestered ions. Kits are available with instruc-

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 254A and 302A) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER

tions for the formation of liposomes. They are designed for the production of positive or negative liposomes. Avanti Biochemicals, Incorporated. Circle 828.

Potentiometric Recorders

A line of flatbed chart recorders is available for use with a variety of analytic instruments. The line offers chart speeds from 0.5 inch per hour to 16 inches per minute and accepts input from 1 to 100 millivolts. Whether the user selects the single- or the dual-channel model, the same 1-volt potentiometric amplifier is included. In more sensitive spans a high impedance preamplifier isolates the input signal from the servo amplifier. LKB Instruments, Incorporated. Circle 817.

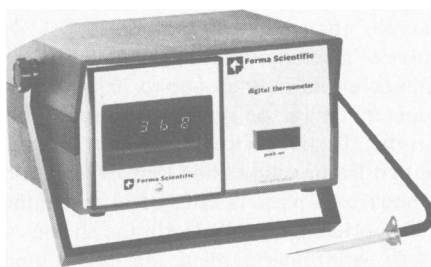


Fig. 1. Forma Scientific offers a portable thermometer self-compensated for ambient temperatures from 4° to 53°C.



Fig. 2. These components comprise the urine specimen collection and transport system from Lab-Tek Products.

Calcium Titrator

The Ultra-Micro Calcette automatically aspirates samples of 5, 10, or 20 microliters. Titration consists of the calcium-calcein complex with EGTA. Operation is simple and the large illuminated digital display is easy to read. A reagent kit is supplied with the instrument. Applications include studies of neonates, infants, geriatric patients, and small animals where sample size is usually limited. Precision Systems, Incorporated. Circle 825.

Medical Student Microscope

Model OE-1B-W4L (Fig. 3) features a heavy base, a rotating, 45-degree-inclined binocular head and a 30-watt, 115-volt variable intensity illuminator. Coaxial coarse focusing range is 35.5 millimeters; the fine range is 2 millimeters. Interchangeable right- or left-handed stage controls provide 2 by 3 inches of motion in the X and Y planes, respectively. There is a 1.25-numerical aperture Abbe condenser with a swing-out filter holder. Kelner-type oculars are wide-field, 10-power. Objectives are research acromats of 4-, 10-, 40- and 100-power. The 40- and 100-power objectives are retractable. Uchida of America Corporation. Circle 821.

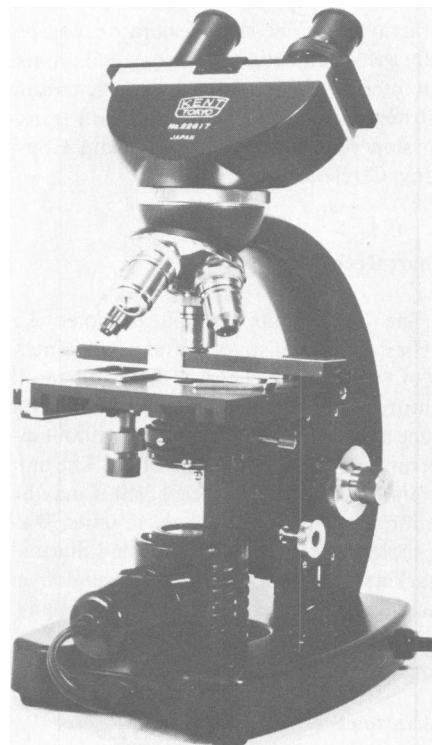


Fig. 3. Uchida's new medical student microscope features built-in illuminator and four research acromat objectives; the larger 40- and 100-power objectives are retractable. The 18-mm Kelner type eyepieces feature hard-coated air-glass surfaces.

Science

Calcium Titrator

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