

Blood Slide Centrifuge

The Dynafilmer CT-380 blood filer utilizes a pad to hold the slide while it is spun. The design (patent pending) features an absorbent liner to collect excess blood and to prevent the aerosol effect. The pads each absorb up to 10 milliliters of blood. With 0.2-milliliter samples, up to 50 slides may be centrifuged before the pad requires changing. Variable speed and spin time controls render the device suitable for preparing films of fluid specimens other than blood. Dynatech Cryomedical. Circle 680.

pH Meter

Model PHM61 registers from 0 to 14 pH units. Buffer, sensitivity, and temperature controls are provided for calibration, matching electrode sensitivities, and compensation for reaction temperatures. Potential is measured from 0 to ± 1400 millivolts to within 3 millivolts. Adjustable displacement voltages up to ± 600 millivolts are also provided. The instrument is intended for pH, potentiometric, and ion-activity analyses. London. Circle 675.

Programmable Gradient Elution Accessory

Model 838 (Fig. 1) allows selection of gradient forms. In use with liquid chromatography this increases flexibility and facilitates reestablishing initial solvent conditions for repetitive analyses. The chemist scribes the form of a desired gradient on a chart which is inserted in the programming module. The chart then drives valves to proportion the amounts of solvents to achieve the desired gradient. The single-pump system uses an internal reservoir

and time-proportioned solenoid valves to control the ratio of primary and secondary solvents. DuPont Instruments. Circle 677.

Film for Transmission Electron Micrography

A film, designated SO-163, is similar in physical construction to the currently available film 4489. It incorporates a 0.007-inch Estar base to retain high dimensional stability and also to minimize pumpdown time, a dyed gelatin backing to facilitate identification of the emulsion side, and a thin layer of hardened gelatin over the emulsion layer to reduce its susceptibility to abrasion. The emulsion is more sensitive to electrons and it has an extended exposure and development latitude equivalent to Kodak electron image plate film. Eastman Kodak. Circle 676.

Graphics Display System

The Megraphic 6000 contains a graphics processor, an 8K Nova 2/4 minicomputer, a 19-inch display screen, and an ASCII keyboard. Options include a hardware character generator, an interactive data tablet, and a real-time clock as well as interfacing with a full line of peripherals.

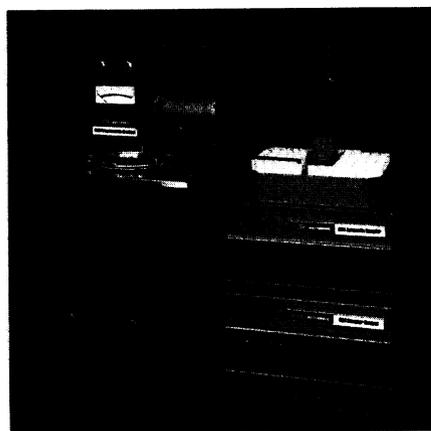


Fig. 1. Model 838 gradient elution accessory is programmed to provide the chromatographer with desired solvent ratios.

The processor displays 6000 flicker-free points and/or vectors with a full-screen resolution of ± 0.05 percent. It operates from a core-based display list which accepts either two-word absolute or single-word relative vector elements. Megatek. Circle 679.

Sample Changer for Liquid Densitometry

The SP2 in conjunction with a density meter measures up to 20 samples continuously. Measuring time varies from 2 to 10 minutes per sample depending upon the properties of the sample and rinsing time requirements. The sample changer draws the sample into the cell, allows the temperature to equilibrate and the measurement to be taken, and then is rinsed in two steps. The cell is then dried with air, equilibrated again, and a calibrating measurement is made. Mettler Instrument. Circle 678.

Literature

Trade-up Program for Vacuum Pumps offers allowance for pumps of any manufacturer toward new pumps. Alcatel Vacuum Products. Circle 687.

Balances, 1975 Catalog describes a full line of laboratory instruments including the new series 3500 top-loading electronic balances. Brinkmann Instruments. Circle 681.

Agarose: Purification, Properties and Biomedical Applications is a monograph with an extensive bibliography that describes agarose and gel products not limited to those available from this manufacturer. Marine Colloids. Circle 682.

Incubators, Ovens, Autoclaves, Water Baths and Walk-in Environmental Rooms are featured in a 28-page catalog. National Appliance. Circle 683.

TN-11 Data Acquisition and Analysis System describes components, design specifications, and applications. Tracor Northern. Circle 684.

Drug and Chemical Blood Level Chart lists almost 180 substances and their therapeutic or normal, toxic, and lethal levels in the blood. Fisher Scientific. Circle 685.

RIA Screening for Testosterone is the subject of a technical methods data sheet. New England Nuclear. Circle 686.

Gas Mixers is a 12-page pamphlet devoted to gas analysis instrumentation. Thermco Instrument. Circle 688.

Plastics and Polymers Newsletter is a quarterly publication. Waters Associates. Circle 689.

Multipoint Recorder details applications of thermal matrix print recordings. Esterline Angus. Circle 690.

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 842A and 906A) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER

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