



Hexokinase Reagent

Single-vial hexokinase is highly specific for glucose. Uric acid, ascorbic acid, and other substances which interfere with tests dependent on glucose oxidase do not interfere with this reagent. This enzymatic procedure is based on the catalytic reaction of hexokinase on glucose and adenosine triphosphate yielding glucose-6-phosphate. Hemolysis, icterus, and lipemia do not affect this reaction either. Any spectrophotometer that detects absorbance at 334, 340, or 366 nanometers is suitable for use with this test. Alpkem. Circle 840.

Environmental Test Chamber

The TJR-16 is a compact unit that maintains high and low temperatures from -112°F to 392°F (-80°C to 200°C) with a control tolerance to within 0.25°F throughout the range. A digital display indicates temperature in the chamber. Range setting is easily accomplished with a knob and display. Options include a control microprocessor, recorders, two-point temperature cycling, gas booster systems, and automatic protection against out-of-tolerance conditions. Tenney Engineering. Circle 841.

Ultramicro Balance

The UM3 has a broad 1- to 15-milligram electrical range, a capacity of 3005 milligrams, and readability to within 0.1 microgram. It features a single weighing pan, an easily read digital display and a built-in weight set that is protected against dirt and wear. Capabilities for

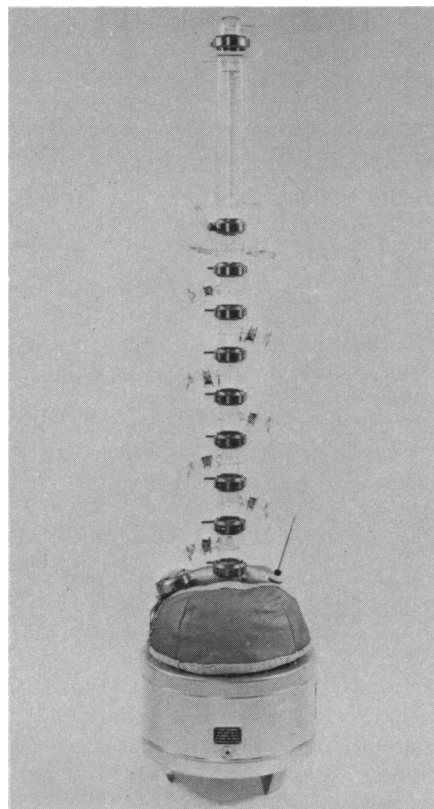
Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement 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 I298A and I382E) and placing it in a mailbox. Postage is free.

—RICHARD G. SOMMER

quick elimination of pan oscillations and automatic calibration are available. An output device is available for transferring weight data to a printer or to other data processing devices. Mettler Instrument. Circle 842.

Distillation Apparatus

The Bubble Cap is an educational scale instrument for demonstrating the production of fuel-grade products from fermentation mixtures. The still may also be used for conventional distillation applications such as solvent recovery or water purification. Visibility, resistance to corrosion, and cleaning are facilitated by the glass and Teflon construction. Liquid may be sampled from each of several bubble cap sections and an optimum configuration may be constructed



for each application. System comprises eight bubble cap sections, eight sampling units, a liquid divider, a coaxial condenser, a boiling flask, product receiver, heating mantle, framework, and clamps. Systems are available in several diameters. Kontes. Circle 837.

Scanning Electron Microscope

The S-520 provides microprocessor control of all units in the display system. Resolution is to 60 angstroms at magnifications from 20 to 200,000 times; accelerating voltage may be selected in 1-kilovolt steps from 1 to 30 kilovolts. Focus is automatic and is activated by push buttons in 2 seconds at magnifications up to 50,000 times and at working distances from 5 to 35 millimeters. Automated magnification system includes brightness and contrast control, an automatic (1000 power) quick-look mode, a micron marker, and one-button camera operation. A 4-inch specimen chamber is standard. Hitachi, Scientific Instruments Div. Circle 839.

Gel Permeation Data Processor

Model 490 GPC includes hardware and software. Data from up to 1000 area slices may be acquired, plotted in real time, stored and reconstructed with selectable baselines. Calibration data, operating parameters, and molecular weight distributions may also be stored and manipulated. Individual experiments may be compared graphically. Calibrating options include narrow or broad molecular weight standards, four fit modes (point-to-point, linear, quadratic, and cubic), and universal and internal standards. Plotting options include molecular weight versus area percent and cumulative area percent, weight-average molecular weight, number-average molecular weight, polydispersivity, and others. Nelson Analytical. Circle 838.

Literature

Anaerobic Identification describes the series 550 gas chromatograph designed to identify volatile and nonvolatile metabolic products of anaerobes. Gow-Mac. Circle 835.

High Pressure Liquid Chromatography provides chemical descriptions and performance criteria of 150 prepacked analytical and preparative columns and chromatography media. Whatman Chemical Separation. Circle 836.

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PRODUCTS and MATERIALS

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