



Clinical Chemistry Analyzer

Model 8700 is designed for the large volume laboratory. The operator may select from among 25 chemistry tests and three additional calculated ratios. Only selected tests are performed. Up to 120 samples may be tested and up to 3360 results may be obtained per hour. Reaction cuvettes are automatically washed, dried, and recycled; tubing need not be changed. The microprocessor directs calibration and evaluates controls. A bar code correlates a sample with the tests requested for it. Bichromatic reaction measurements are used to minimize sample interferences. Thirty-two separate readings are taken during the 15-second readout. Regression analysis is performed on kinetic results to ensure accuracy. There are three means for selecting chemistries: Chemistry Request/Report Cards may be inserted randomly and read by optical scanners; an optional console may be used to input patient information; or the 8700 may be directly interfaced to a hospital computer to integrate results with a larger data base. Boehringer Mannheim Diagnostics. Circle 559.

Automated Recovery of Clinical Solvents

The Model 40T/CL system utilizes an automatic motor start and an integral device to shut the system down to reduce technician time to under 10 minutes per 4.5 hours of operation. In this brief interval 10 liters of xylenes, alcohols (up to 95 percent), toluene, chloroform, or Histosol may be recovered. A stopcock switching device eliminates the need to change flasks. B/R Instrument. Circle 560.

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 118A and 206A) and placing it in a mailbox. Postage is free.

—RICHARD G. SOMMER

Prostaglandin Radioimmunoassay

The Prostaglandin-E₂ [¹²⁵I]-RIA kit offers increased sensitivity over tritiated tracer methods. The iodinated tracer also affords direct gamma counting. The PGE₂ antiserum offers less than 5 percent cross reactivity with PGE₁. The assay is performed in a single tube with a polyethylene glycol precipitation medium. The kit contains a detailed manual and a troubleshooting guide. Each shipment is sampled and a standard test curve is included. New England Nuclear. Circle 555.

Programmed Chemistry Modules

Six Memory-Pac modules are available for the Model 42 Clinical Chemistry System. These plug-in modules automatically set and control all operating parameters on the Model 42. Modules include chemistries for liver, cardiac, and lipid panels and for stat amylase/BUN/creatinine. Beckman Instruments, Clinical Systems Division. Circle 556.

Free Thyroxine Assay

The 8 × 50 millimeter coated tube Free Thyroxine Assay uses only 50 microliters of serum. The test requires a 90-minute incubation. Processed (human) serum standards are supplied in screw-cap vials. The kit is supplied in 100-test size with protocols for manual and automated procedures in the instructions. Bio Clinical Group. Circle 557.

Sterile Pipette Tips

Sterile Accu-Tips are made of nonwetable polypropylene and are individually packaged in plastic bags. They fit Pipetman, Eppendorf, Titer Tech multidispenser, Finnpiptette, MLA, Oxford, and other pipettors. Nonsterile Accu-Tips are available in autoclavable racks or in zip-lock plastic bags. Biomedical Technologies. Circle 558.

Literature

Analytical Laboratory Instruments includes chromatographs and accessories, amino acid analyzers, and elemental analyzers for research. Erba Instruments. Circle 561.

Chromatography Chemicals and Accessories presents syringes, TLC plates, chromatography columns, hardware and accessories. Analabs, a unit of Foxboro Analytical. Circle 562.

Clinical Laboratory catalog features nine product sections on more than 150 electrophoresis and TLC products for blood chemistry and immunology laboratories. Gelman Sciences. Circle 563.

Equipment Rental describes nearly 1000 different electronic instruments from over 50 manufacturers with rates for 30-day rentals. Genstar Rental Electronics. Circle 564.

Chemicals offers more than 300 fine chemicals and reagents for biochemical separation and analysis. LKB Instruments. Circle 566.

Scientific Apparatus offers shakers, stirrers, incubators, pipettes, sonicators, blenders, circulators, and many other instruments. Tekmar. Circle 567.

Standard Microscope gives complete specifications of the transmitted light microscope for scientific applications. Carl Zeiss. Circle 568.

Sample Preparation describes an automated laboratory system that combines robotics and laboratory stations to prepare samples for chemical analysis. Zymark. Circle 569.

Products for Separations Technology lists materials for chromatography, ultrafiltration, and microfiltration. Amicon. Circle 572.

Instrumentation for Biotechnology includes a chart on the generation of monoclonal antibodies and information on process control and physiologic instrumentation and synthetic peptides. Beckman Instruments, Spinco Division. Circle 573.

Balances features the Sartorius line of instruments including top-loading and analytical models. Brinkmann Instruments. Circle 574.

RNasin brochure details the uses and applications of this ribonuclease inhibitor. Biotec. Circle 576.

Products for Life Sciences lists metal mesh animal handling gloves, rodent restrainers, surgical clippers, implantation tubing, and temperature stabilizers. Braintree Scientific. Circle 577.

Microcomputer Products for Science and Math Teachers lists educational hardware and software for all types of microcomputers. Cambridge Development Laboratory. Circle 578.

PRODUCTS and MATERIALS

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