



**PRODUCTS  
and  
MATERIALS**

#### **Kit for Determination of Iron-Binding Capacity**

The Iron-59 kit may be used to determine both total and unsaturated iron-binding capacity from which serum iron and percent saturation may be calculated. The kit features four steps, color-coded reactions, and ready-to-use reagents. Samples of 0.4 milliliter are sufficient and no centrifugation is required. A resin strip separates bound and free iron. Even hemolyzed, turbid, or lipemic samples may be analyzed. RIA Products. Circle 830.

#### **Microelectrode Pipette Holders**

These devices are designed for cellular bioelectric recording. They consist of acrylic holders with stable silver-silver chloride half cells which are durable, economical, and reliable. W-P Instruments. Circle 831.

#### **Laboratory Data Management System**

Model 8100 processes and displays data from up to eight channels of analog input. Up to 146,000 data points may be digitized or stored. Display may be via x-y plotter, strip-chart recorder, or electronic integrator. Data may be scaled in arbitrary units, normalized, offset, averaged, smoothed, integrated, differentiated, displayed on reciprocal or logarithmic scales, or otherwise manipulated. The system is compatible with a wide variety of analytic instrumentation and comes with standard operating software and system diagnostics. Bascom-Turner Instruments. Circle 826.

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 Reader Service Card (on pages 1418A and 1494E) and placing it in the mailbox. Postage is free.

—RICHARD G. SOMMER

#### **Hand-Held Germanium Spectrometer**

The MPS is used for in situ gamma or x-ray analysis. It is less than 16 inches long and weighs 12 pounds when filled with liquid nitrogen. Any standard intrinsic germanium detector, planar or coaxial, may be used. It can be cycled to room temperature repeatedly or stored at room temperature with no deterioration of performance. The 1.4-liter liquid nitrogen Dewar permits at least 16 hours of working time prior to refilling. Planar detectors offer up to 20-square-centimeter active area in the range of 3 kiloelectron volts to 1.5 megaelectron volts. For applications that require 30 kiloelectron volts to 10 megaelectron volts, coaxial detectors are available with efficiencies to 35 percent and resolution to 1.6 kiloelectron volts. (FWHM) at Co-60. Princeton Gamma-Tech. Circle 814.

#### **Alternative to Dialysis in Clinical Assay**

Columns are available as an alternative to dialysis in removal of perchloric acid and salts from extracts of plasma in clinical assay. The advantage is rapid processing at constant pH and volume in CEA-Roche assay. Procedure is simple and the columns may be reused. They may be stored at room temperature. Roche Diagnostics. Circle 832.

#### **Implantable Miniature Pump**

The Alzet model 2002 delivers 0.5 microliter per hour for 2 weeks at mammalian body temperatures. It functions well at low temperatures which renders it suitable for marine biologic applications. Model 2002 is an osmotic device that is relatively unaffected by osmolality of the surrounding medium. It offers constant stress-free, rate-specified administration of bioactive agents in organisms in distilled water environments, in seawater, and in environments of higher osmolality. Alza. Circle 827.

#### **Ventilators for Small Animals**

Models 801 and 802 offer selection of volumes from 2.0 cubic centimeters up to 30 cubic centimeters per cycle and from 10 to 200 cycles per minute. Rates and volumes may be adjusted while the pump runs. Delivery volume may be monitored continuously through a large calibrated window. Room air and respiratory gases may be introduced through valve ports. Expired gases may be recycled, vented, or collected for analysis. Model 801 offers 20 to 200 cycles per minute at 0.2 to 10 cubic centimeters per cycle. Model 802 offers 10 to 100 cycles per minute at 0.5 to 30 cubic centimeters per cycle. Edco Scientific. Circle 828.

#### **Literature**

*Radiochemicals* includes labeled compounds, radionuclides, LSC fluors and chemicals, and custom services among a complete line of products for nuclear chemistry. New England Nuclear. Circle 815.

*Microprocessor Products* are the subjects of *Preview*, which discusses new products for users of analytical, control, and data-processing apparatus. Intel. Circle 816.

*New Titles* features the offerings of this publisher of texts, handbooks, and reference materials for the scientist. CRC Press. Circle 817.

*Chromatography Supplies* describes accessories apparatus, columns, fittings, packings, syringes, and much more. L. C. Circle 818.

*Life Science Literature Search* offers an audiovisual program for on-line examination of pertinent data bases. Science Media. Circle 819.

*Analytical Instruments* is a miniguide to precision instruments for spectroscopic research. Bausch & Lomb. Circle 820.

*Incubator* is devoted to modular, benchtop models 3029/3039 with self-diagnostics. Forma Scientific. Circle 821.

*Laboratory Materials* has sections on densitometry, electrophoresis, enzymology, spectrophotometry, immunology, and others. Helena Laboratories. Circle 822.

*Infrared Spectrometer* features Miran 980, which is microcomputerized for quantitative analysis. Foxboro Analytical. Circle 837.

*Integrating Spheres* describes nine devices ranging from 1 to 20 inches in diameter and their ports, adapters, plugs, baffles, base plates, and available coatings. Labsphere. Circle 838.

# Science

## PRODUCTS and MATERIALS

*Science* **207** (4438), 1496.  
DOI: 10.1126/science.207.4438.1496

**ARTICLE TOOLS** <http://science.sciencemag.org/content/207/4438/1496.citation>

**PERMISSIONS** <http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

---

*Science* (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.