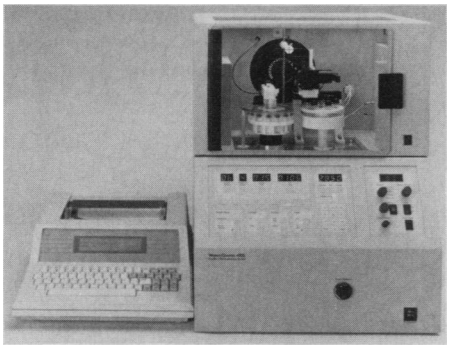
## Capillary Electrophoresis System

The Quanta 4000 Capillary Electrophoresis system is fully automated, allowing multiple unattended analyses. Its "Autopurge" feature speeds throughput and improves accuracy by automatically cleaning the capillaries after each run. The Quanta 4000 is



compatible with Waters data workstations and features a high-sensitivity, low-noise ultraviolet/visible detector designed to detect even trace level components. The system offers both automatic hydrostatic and electromigration injection for application flexibility. Waters, Division of Millipore. Circle 439.

## Automatic Organic Carbon Determination

A new, automatic technique can selectively determine organic carbon in sediments, soils, compost, and other solid samples containing carbonates. On the basis of elemental analysis performed on Carlo Erba's NA1500 (an automatic nitrogen, carbon, and sulfur analyzer) or the EA1108 (an elemental analyzer for microanalysis), the method provides the same accuracy and repeatability of the Walkeley-Black method. Differentiation of organic and inorganic carbon forms is performed by manipulation of the sample before analysis, so the same instrumental conditions are used to perform total and organic carbon determinations in two consecutive runs. Up to 196 unattended analyses are possible with a 3- to 4-min run time per sample. Carlo Erba. Circle 459.

## Thermocycling Oven

The BIOSYCLER Oven, a forced-air oven with programmable thermocycling capabilities, can be used for a variety of applications from in vitro amplification to sequencing reactions. The large capacity oven holds 200 microcentrifuge tubes of four 96-well microtiter plates to be processed at one time. Setup takes only minutes. The forced-air technology provides a consistent temperature with no hot or cold spots to interfere with the desired reaction. BIOS Corp. Circle 476.

## Curve-Fitting Software

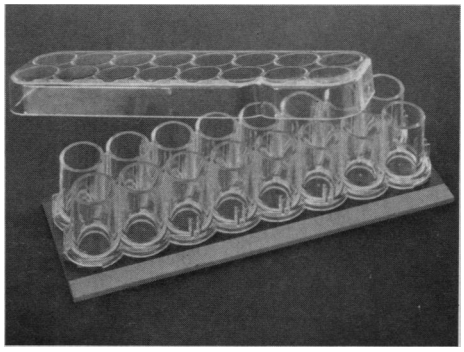
Versions 2.0 of TableCurve and TableCode provide automated curve-fitting for scientists, engineers, and technical programmers. The programs fit data to 221 different equations in a single automated step. TableCurve 2.0 offers reading and writing of Lotus 3.0 worksheets. TableCode 2.0 includes a full display of the curve-fit graph and a root-finding algorithm. The programs require 640K, a hard disk, and VGA, EGA, Hercules, or 8514/A graphics. AISN Software. Circle 450.

## GPC Columns

These gel permeation chromatography (GPC) columns are compatible with more than 20 commonly used organic solvents and can be used at temperatures up to 140°C. They preclude the need for costly banks of dedicated columns for different applications. Each column is individually tested to guarantee reproducible column-to-column performance, and complete test results are included with each column. A complete range of pore sizes from 50 to $10^5$ Å is available in both 10-μm particle sizes for less demanding work and 5-μm sizes for high-resolution work. Burdick & Jackson Division, Baxter Healthcare. Circle 451.

## Culture Analysis Device

The Lab-Tek Chamber Slide 16 Well slide allows direct culture on microscope slides and subsequent in situ staining and microscopy. The new 16-well design allows the



user to take advantage of multichannel pipetes and other devices designed for use with 96-well plates. The 16 Well has two rows of eight wells, each well with a volume of approximately 0.3 ml and a growth surface of 0.32 $cm^2$. Each unit has a unidirectional lid with condensation control rings. Nunc. Circle 455.

## Mutagenesis Kit

The Mutator site-directed mutagenesis kit is designed for rapid and efficient oligonucleotide-directed mutagenesis without specialized vectors, host strains, or complicated manipulations. The kit uses *Escherichia coli* DNA polymerase III to extend the mutagenizing oligonucleotide primer. This enzyme acts rapidly (50,000 nucleotides per second) and lacks 3′ to 5′ exonuclease activity. The mutant strand synthesis is completed in 10 min without displacing the primer oligonucleotide. The total reaction takes less than 1 hour. Mutation efficiencies of 40 to 50% can be expected. Stratagene. Circle 466.

## Literature

The *1990 Sigma General Catalog and Price List* describes more than 25,000 biochemicals, organic chemicals, and related products with more than 1,700 items added since the 1989 edition. Entries contain technical information such as common synonyms, application notes, and references. Major product groups of bioactive peptides, immunochemicals, molecular biology, and tissue culture have a separate thumb tab for quick reference. Sigma Chemical Co. Circle 573.

*SFC Systems, Options and Accessories* is an eight-page catalog of products for supercritical fluid chromatography. Lee Scientific, Division of Dionex. Circle 574.

The *Cell Biology Products Quarterly Catalogue* includes a comprehensive list of cell biology products, categorized by application areas. Research Products Division of Life Technologies Inc. Circle 576.

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 and placing it in a mailbox. Postage is free.

## Products & Materials

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