

Equation-Solving Software

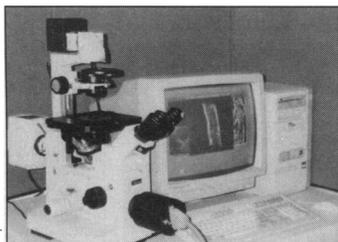
TK Solver 2.0 is software for solving problems involving work with equations. A new feature, Presentation View, lets users solve problems and create presentation-quality reports without ever leaving the TK Solver program. As in earlier editions of the program, different types of information such as variables, rules, tables, and plots are organized into sheets. Any number and combination of sheets can be used to create a presentation-quality interface, with what-you-see-is-what-you-get graphics. The program requires a 286 or higher processor, DOS version 2.0 or higher, at least 1 MB of random access memory, and a hard disk. Universal Technical Systems. Circle 85.

Nonradioactive Detection

Two Rad-Free Non-Isotopic Detection Kits are available for protein immunoblotting analysis in a minigel format. The chemiluminescent kit features a 1,2-dioxetane-based method for quantitative results. The colorimetric kit is based on the alkaline phosphatase-BCIP/NBT reaction. The kits are available with the following alkaline phosphatase conjugates: (goat) anti-mouse, anti-human, anti-rabbit, or Protein A/G. Schleicher & Schuell. Circle 86.

Imaging Instrument

CELLscan is a computer-based instrument that attaches to the user's microscope and allows researchers to visualize three-dimensional (3-D) images of living cells with improved contrast and resolution. Standard features of the system include image acquisition, image deblurring, 3-D visualization, critical parameter quantification, image archiving and retrieval, report generation,



and publication-quality hardcopy output. The contrast and resolution of microscope images are greatly enhanced by removing out-of-focus flare using the most advanced image processing and digital reconstruction algorithms. Scanalytics/CSPI. Circle 87.

Dialysis Tubing

BioDesignDialysis Tubing is a thin, transparent, tear-resistant cellulosic tubing that allows rapid dialysis. Specifically prepared for biological research, extensive efforts are made to ensure uniform wall thickness, membrane integrity, porosity, and purity. For normal laboratory applications, the tubing is simply wet and used. It has a nominal 8000 molecular weight cut-off; five available diameters range from 6.4 to 49.5 mm. Available in 100-foot rolls or 12-inch cut strips, it is shipped in air-tight moisture-proof plastic containers to maintain flexibility and for maximum shelf life. BioDesign of New York. Circle 88.

Personal Peptide Synthesizer

The Synergy Personal Peptide Synthesizer is designed to make peptides in less time and for less cost compared with ordering from a commercial lab. The synthesizer makes 30 to 60 mg of peptides up to 30 amino acids long following an easy, 10-min set-up procedure. A feedback monitoring system

manages the synthesis to extend difficult couplings and to ensure the quality of each peptide. The instrument is designed for scientists who use peptides in immunological studies, cancer research, and related applications. No detailed understanding of peptide chemistry is required. Applied Biosystems. Circle 89.

Diagnostic Grade DNA

Diagnostic Grade DNA is suitable for such applications as polymerase chain reaction. It is purified through reversed-phase high-performance liquid chromatography and comes with quality control documentation, including reversed-phase chromatography, ion exchange chromatography, and base composition analysis. Synthecell Corp. Circle 90.

30 Minute RNA Isolation Kit

RNA STAT-30 kit is a new total RNA isolation and mRNA enrichment kit based on the guanidinium phenol single-step method of RNA isolation. The kit contains an extraction reagent containing phenol, guanidinium, and proprietary stabilizers compatible with the speed and selectivity of push affinity column chromatography. The kit isolates total RNA and mRNA from tissue and cells of human, animal, plant, yeast, bacterial, and viral origin. The RNA is isolated within 30 min with minimal low-speed centrifugation. No further purification is required for many subsequent procedures, including Northern (RNA) blotting, molecular cloning, ribonuclease protection, and polymerase chain reaction. Tel-Test. Circle 91.

Literature

Gilson Instruments for HPLC, LC and Sample Preparation highlights more than 30 instruments for high-performance liquid chromatography (HPLC), liquid chromatography (LC), and sample preparation. Gilson Medical Electronics. Circle 92.

The 1992-1993 *Owl Scientific Catalog* includes a complete line of electrophoresis equipment, radiation safety equipment, laboratory accessories, and chemical reagents. Owl Scientific Plastics. Circle 93.

Iscro Product Guide: Instruments for Separation and Analysis describes a comprehensive line of instruments and systems for preparatory and analytical chromatography, supercritical fluid extraction, capillary electrophoresis, and gel electroelution. Isco. Circle 94.

Sigma ImmunoNotes, Number 8 includes an article on a new cytokine called stem cell factor and a listing of a line of growth factor and cytokine products. Sigma Immunochemicals. Circle 95.

Kontes Chemistry and Life Sciences Products features descriptions of more than 6000 laboratory glassware products. Kontes. Circle 96.

Instrumentation Newsletter, Autumn 1992 contains articles on LabVIEW for Windows and LabVIEW for Sun, the first releases of multiplatform versions of a graphical software programming system for instrumentation. National Instruments. Circle 97.

Low Volume Injector is a brochure on a gas chromatography accessory that combines low volume direct injection with the ability to connect to a purge and trap transfer line. The instrument is designed for analysis of volatiles with purge and trap sample introduction. J & W Scientific. Circle 98.

Introducing Geltrek: The Next Generation (in Ultra High Resolution Vertical PAGE Electrophoresis Technology) is a brochure on a new system. Zaxis Inc. Circle 99.

Chromatographic Drug Standards is a catalog featuring nearly 600 compounds, including neat drugs, metabolites, internal standards, and deuterated drugs. Newly listed are anabolic steroids and metabolites. Alltech. Circle 100.

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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