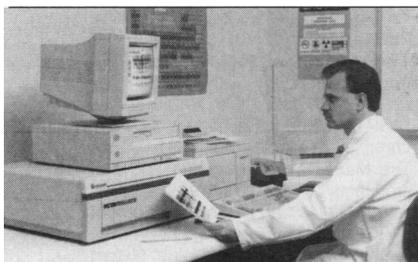


## DNA Synthesizer

With the Oligo 1000 DNA Synthesizer, primers and probes are available within 4 hours, and the DNA can be used without additional purification for most research applications, including polymerase chain reaction. Coupling efficiency is determined automatically, and the user is notified should efficiency drop below an acceptable level. Reagent usage is monitored and synthesis is paused when an empty bottle is detected; reagent age, flow rate, and gas pressure are also monitored automatically. **Beckman Instruments. Circle 140.**

## Notebook Computer with Built-in Printer

The NoteJet 486 is a notebook computer with a built-in micro Bubble Jet printer that prints laser-quality text and graphics on plain paper. An optional fax modem can be added. NoteJet 486 features Texas Instruments' 25-MHz 486SLC microprocessor with 1 kilobyte of cache; 4 megabytes of random access memory (expandable to 12 megabytes);



two personal computer memory card interface association-type II slots; 9.5-inch VGA backlit monochrome LCD screen; 3.5-inch floppy disk drive; 2.5-inch hard disk drive; NiCad battery; handheld input device; AC adapter/recharger; serial, parallel, and PS/2 mouse/keyboard ports; factory-installed Windows, DOS, and NoteJet tutorials; and integrated printer. The printer features a resolution of 360 dots per inch and a 10-page automatic sheet feeder and prints on all types of paper including labels and transparencies. Note-

Jet weighs 7.7 pounds and is 12.2 inches wide, 10 inches deep, and 2.2 inches high. **Canon Computer Systems. Circle 141.**

## Plasmid Kits

A set of kits for plasmid DNA preparation includes the following kits. The QIAprep-spin Plasmid Kit can purify up to 20  $\mu$ g of plasmid DNA without the use of phenol or chloroform extractions. The QIAwell-8 Plus Plasmid Kit can prepare 8 to 48 pure double-stranded DNA templates for fluorescent sequencing in under 1 hour. DNA is purified on QIAwell-8 strips from a cleared bacterial lysate. Templates are desalted and concentrated in-line using QIAprep-8 strips. Sequencing-ready double-stranded DNA is then eluted in water or tris. QIAprep-8 Plasmid Kit allows simultaneous preparation of 8 to 48 minipreps, without phenol or chloroform, in under 1 hour. **QIAGEN. Circle 142.**

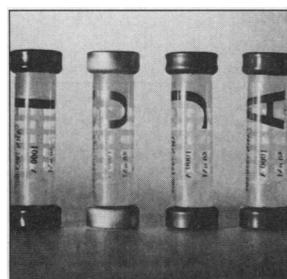
## Polyclonal Chicken Antibodies

Polyclonal chicken antibodies are now available. Because of evolutionary differences between chicken and mammalian species, chicken antibodies to mammalian immunoglobulins have no cross-reactivity with other mammalian immunoglobins. This offers many advantages for immunoassays by eliminating the need for cross-species immunoadsorptions and reducing undesirable reactions in which anti-immunoglobulin G (anti-IgG) antibodies are used. Rheumatoid factor (RF) is a common source of interference in immunoassays where mammalian antibodies are used in the detection of proteins. RF can react with IgG from

mammalian species, causing false positive results. Because of structural differences between chicken and mammalian IgG, chicken IgG does not react with RF. **Pierce. Circle 143.**

## Prepacked Columns

Prepacked reaction columns for DNA and RNA synthesizers are available for use on MilliGen syn-



thesizers. MilliGen-style columns are packed with DNA and RNA monomers bound to CPG or WPS solid supports. Supplied with either 500 or 1000 Å pore-size supports to accommodate oligomers of different lengths, the columns are offered with either 1.0 or 0.2 mmol of bound monomer for different scales of synthesis. The columns are made of inert plastic that is resistant to the corrosive reagents and solvents used for automated synthesis. **BioGenex. Circle 144.**

## UV/VIS Spectrometer

The Lambda Bio Ultraviolet/Visible (UV/VIS) Spectrometer enables bioresearchers to run more than 50 predefined methods with a single keystroke, providing fast results for DNA and protein characterization. Users can run methods for nucleic acid, protein, kinetic, and general quantitative and qualitative analyses without programming or method development. The Lambda Bio

can also run methods developed for specific applications. Accessories include auto cell changers and sippers and temperature-controlled cell holders. The unit can also be hooked up to a standard personal computer. **Perkin-Elmer. Circle 145.**

## AMCA Conjugates

A new range of antibodies conjugated to AMCA (7-amino-4-methylcoumarin-3-acid) is now available. AMCA conjugates optimally absorb light at 350 nm and emit at 450 nm, producing a blue fluorescence that is easier to photograph than other fluorochromes and that does not fade as rapidly as fluorescein isothiocyanate (FITC). AMC conjugates make good second or third labels for multiple-labeling experiments because there is minimal overlap in fluorescence with FITC and no overlap with other fluorochromes. **Serotec. Circle 146.**

## Literature

*Advances in Cell Signalling* explains the recent techniques and developments in this field. **Amer-sham International. Circle 147.**

*PC Systems Handbook for Scientists and Engineers: 1993 New Products Supplement* offers a broad assortment of more than 300 hardware and software components and turn-key systems. **CyberResearch. Circle 148.**

*1992-1993 Biotechnology Catalog New Product Supplement* provides 12 pages of new polymerase chain reaction (PCR) products and an updated PCR bibliography. **Perkin-Elmer. Circle 149.**

*Oligo Techniques: Innovative Chemistry for Biological Applications* is a newsletter describing novel techniques and applications for nonisotopically labeling oligonucleotides. **Clontech Labs. Circle 150.**

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.

# Science

## PRODUCTS & MATERIALS

*Science* **261** (5119), 372.  
DOI: 10.1126/science.261.5119.372

ARTICLE TOOLS <http://science.sciencemag.org/content/261/5119/372.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.