

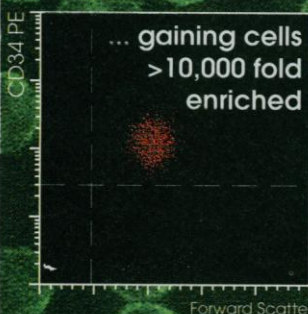
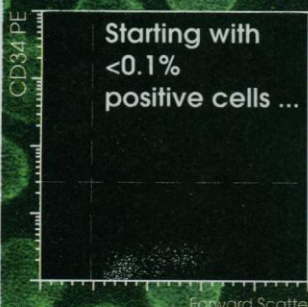
MACS

Unmatched Technology for Separating Rare Cells

Find the needle in the haystack!

MACS enables you to handle cells that were hardly known to exist. MACS allows:

- ▲ very fast detection of ultra rare cells (freq. down to 1:10⁶)
- ▲ enrichments or depletions of more than 10,000 fold
- ▲ immediate identification by Flow Cytometry or PCR
- ▲ expansion of isolated cells in culture
- ▲ isolation of cells like: antigen-specific B cells, fetal cells from maternal blood, and any rare cell you have an antibody against



If you need to find the needle in the haystack, call:

Miltenyi Biotec

Germany Phone: 02204-8096
FAX: 02204-85197
USA Phone: (916) 888 8871
FAX: (916) 888 8925

conventional quantum theory (which should include anyone who's ever looked at it), you will certainly want to own this one. Even if you will continue to think in terms of the conventional interpretation (and I confess that I will), you will be very impressed by this wise and deep book that will certainly broaden your horizons and start you thinking about many things you thought you were sure of.

Daniel M. Greenberger
Department of Physics,
City College of New York,
New York, NY 10031, USA

Books Received

Analytical Sedimentology. Douglas W. Lewis and David McConchie. Chapman and Hall, New York, 1994. x, 197 pp., illus. \$49.95.

Angiotensin Receptors. Juan M. Saavedra and Pieter B. M. W. M. Timmermans, Eds. Plenum, New York, 1994. xxiv, 413 pp., illus. \$95.

Antigen and Antibody Molecular Engineering in Breast Cancer Diagnosis and Treatment. Roberto L. Ceriani, Ed. Plenum, New York, 1994. xii, 222 pp., illus. \$75. Advances in Experimental Medicine and Biology, vol. 353. From a workshop, San Francisco, Nov. 1992.

At the Center of the World. Polar Symbolism Discovered in Celtic, Norse and Other Ritualized Land-

scapes. John Michell. Thames and Hudson, New York, 1994 (distributor, Norton, New York). vi, 184 pp., illus. \$24.95.

Basic Mathematics for Chemists. Peter Tebbutt. Wiley, New York, 1994. xii, 244 pp., illus. \$64.95; paper, \$29.95.

The Bengal Monitor. Walter Auffenberg. University Press of Florida, Gainesville, 1994. xxviii, 560 pp., illus. \$79.95.

Benthic Foraminiferal Biostratigraphy of the South Caribbean Region. Hans M. Boll, Jean-Pierre Beckmann, and John B. Saunders. Cambridge University Press, New York, 1994. xii, 408 pp., illus. \$150.

Cellular Immunology. P. J. Delves, Ed. Academic Press, San Diego, CA, 1994. xx, 259 pp., illus. Spiral bound, \$59.95. Labfax Series.

Chaotic Logic. Language, Thought, and Reality From the Perspective of Complex Systems Science. Ben Goertzel. Plenum, New York, 1994. xviii, 278 pp., illus. \$72.50. IFSR International Series on Systems Science and Engineering, vol. 9.

The Choice. Evolution or Extinction? A Thinking Person's Guide to Global Issues. Ervin Laszlo. Putnam, New York, 1994. viii, 215 pp., illus. \$17.95. Jeremy P. Tarcher/Putnam Book.

CRC Handbook of Chemistry and Physics. A Ready-Reference Book of Chemical and Physical Data. David R. Lide and H. P. R. Frederikse, Eds. 75th ed. CRC Press, Boca Raton, FL, 1994. Various pages, illus. \$99.95.

The Creation of Scientific Effects. Heinrich Hertz and Electric Waves. Jed Z. Buchwald. University of Chicago Press, Chicago, 1994. xiv, 482 pp., illus. \$75.00; paper, \$32.95.

Creativity in Invention and Design. Computational and Cognitive Explorations of Technological Originality.

How do you do survival analysis?

Are you analyzing survival data the hard way? Try our way.

Start with StatView...

StatView® is the only Macintosh stats package that combines data management, data analysis, graphing, drawing, and presentation into a single easy-to-use solution. From data entry to finished reports, StatView saves you time and effort.

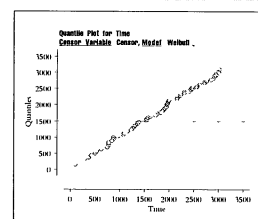
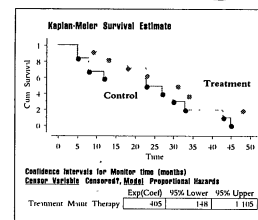
...now add Survival Tools!

Survival Tools is the latest in a series of drop-in extensions to StatView. Survival Tools incorporates a complete suite of survival analyses into StatView — seamlessly. Survival Tools becomes part of StatView, so you'll enjoy all the benefits of StatView's award-winning interface, full presentation tools, and templates.

It's our way or the hard way

You can analyze the hard way, or the StatView way — the choice is up to you. For more information on StatView, Survival Tools, and other add-on products, call us at 1-800-666-STAT.

© 1994 Abacus Concepts, Inc., 1918 Bonita Avenue, Berkeley, CA 94704-1014; tel: 510-540-1949, fax: 510-540-0260. StatView is a registered trademark of Abacus Concepts, Inc. All other brands are property of their respective holders.



ABACUS
CONCEPTS
THE SIGNIFICANT DIFFERENCE™

Circle No. 59 on Readers' Service Card

BOOK REVIEWS

Subrata Dasgupta. Cambridge University Press, New York, 1994. xvi, 250 pp., illus. \$39.95.

The Digestive System in Mammals. Food, Form and Function. D. J. Chivers and P. Langer, Eds. Cambridge University Press, New York, 1994. xiv, 446 pp., illus. \$84.95. From a workshop, Cambridge, U.K., March-April 1992.

Digital Image Processing. Principles and Applications. Gregory A. Baxes. Wiley, New York, 1994. xviii, 452 pp., illus. + diskette. Paper, \$39.95.

Early Adolescence. Understanding the 10 to 15 Year Old. Gail A. Caissy. Plenum, New York, 1994. xx, 260 pp. \$26.95.

Earthly Pleasures. Tales from a Biologist's Garden. Roger D. Swain. Lyons and Burford, New York, 1994. x, 198 pp., illus. Paper, \$12.95. Reprint, 1981 ed.

Excitotoxins. The Taste that Kills. Russell L. Blaylock. Health, Santa Fe, NM, 1994. xxii, 264 pp., illus. \$27.

Exploring Chaos. A Guide to the New Science of Disorder. Nina Hall, Ed. Norton, New York, 1994. 224 pp., illus., + plates. Paper, \$13. Reprint, 1993 ed.

The Farming Game Now. J. P. Makeham and L. R. Malcolm. Cambridge University Press, New York, 1993. xii, 399 pp., illus. \$79.95; paper, \$34.95.

Functional Neural Transplantation. Stephen B. Dunnett and Anders Björklund, Eds. Raven, New York, 1994. xvi, 587 pp., illus. \$145. Advances in Neuroscience, vol. 2.

Galactic and Solar System Optical Astrometry. L. V. Morrison and G. F. Gilmore, Eds. Cambridge University Press, New York, 1994. xx, 339 pp., illus. \$59.95. From a workshop, Cambridge, U.K., June 1993.

Handbook of Membrane Channels. Molecular and Cellular Physiology. Camillo Peracchia, Ed. Academic Press, San Diego, CA, 1994. xx, 591 pp., illus. \$150.

Introduction to Reference Sources in the Health Sciences. Fred W. Roper and Jo Anne Boorkman. 3rd ed. Medical Library Association and Scarecrow, Metuchen, NJ, 1994. x, 301 pp. \$35.00.

Ion Channels in the Cardiovascular System. Function and Dysfunction. Peter M. Spooner *et al.*, Eds. Futura, Armonk, NY, 1994. xxx, 580 pp., illus. \$85.

Journey to the Ants. A Story of Scientific Exploration. Bert Hölldobler and Edward O. Wilson. Harvard University Press, Cambridge, MA, 1994. xii, 225 pp., illus. + plates.

Killing Custer. The Battle of the Little Bighorn and the Fate of the Plains Indians. James Welch with Paul Stekler. Norton, New York, 1994. 320 pp., illus. \$25.

Large-Scale Neuronal Theories of the Brain. Christof Koch and Joel L. Davis, Eds. MIT Press, Cambridge, MA, 1994. xii, 343 pp., illus. \$55. Computational Neuroscience. Based on a workshop, Idyllwild, CA Dec. 1992.

Microwave and Geometrical Optics. S. Cornbleet. Academic Press, San Diego, CA, 1994. xiv, 626 pp., illus. \$85. Techniques of Physics, 16.

Morphology, Adaptations, and Relationships of *Plesionycteropus*, and a Diagnosis of a New Order of Eutherian Mammals. R. D. E. MacPhee. American Museum of Natural History, New York, 1994. 214 pp., illus. Paper, \$20. Bulletin of the American Museum of Natural History, no. 220.

Mountains and Plains. The Ecology of Wyoming Landscapes. Dennis H. Knight. Yale University Press, New Haven, CT, 1994. xii, 338 pp., illus. \$40.

A Naturalist in Florida. A Celebration of Eden. Archie Carr. Marjorie Harris Carr, Ed. Yale University Press, New Haven, CT, 1994. xxvi, 264 pp., illus. \$28.50.

Naturalists, Conservationists, and Environmentalists. Eileen Lucas. Facts on File, New York, 1994. x, 150 pp., illus. \$16.95. American Profiles.

The Orion Mystery. Unlocking the Secrets of the Pyramids. Robert Bauval and Adrian Gilbert. Crown, New York, 1994. x, 325 pp., illus. \$24.

The Paleobiogeography of China. Yin Hongfu, Ed. Oxford University Press, New York, 1994. xiv, 370 pp., illus. \$120. Oxford Biogeography Series.

Panetics and Dukkha. An Integrated Study of the Infliction of Suffering and the Reduction of Infliction. R. G. H. Siu. International Society for Panetics, Washington, DC, 1994. viii, 388 pp. Paper, \$10. Panetics Trilogy, vol. 2.

Pattern and Process in Host-Parasitoid Interactions. Bradford A. Hawkins. Cambridge University Press, New York, 1994. x, 190 pp., illus. \$42.95.

Not Just Another Vacuum Cup.



It's the Stericup™

Filtration and Storage System, and what sets it apart from other vacuum cup devices is the low-protein binding, low-extractable Durapore® membrane. This membrane provides up to 99% total protein recovery, it won't cause alterations in protein structure and function, and it's designed to be bio-compatible with cell cultures.

No-Risk Design.

The gamma-sterilized Stericup system allows filtration and storage in one device. There's no need to transfer and risk recontamination. Simply filter your media, remove the funnel, and screw the pre-sterilized cap onto the top of the receiver bottle. This simple no-risk design is backed by consistent manufacturing standards and rigorous Q.C. testing.

Plenty to Choose From.

In addition to the 0.22 µm and 0.45 µm Durapore membrane, Stericup units are also available with a mixed cellulose esters membrane. They are available with 200 mL, 500 mL, and 1000 mL receiver flasks to meet your volume needs.

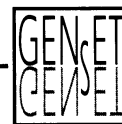
Call For Our New Brochure.

Dial 1-800-MILLIPORE (1-800-645-5476) for a copy of our new Small-Volume Filtration Guide.

MILLIPORE

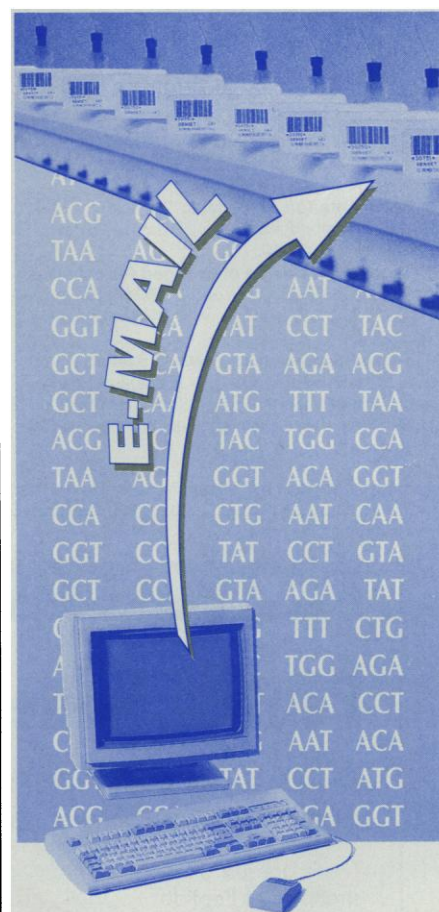
Copyright © 1994 Millipore Corporation

Circle No. 45 on Readers' Service Card



GUARANTEED OLIGOS™

CONNECT YOURSELF TO OUR DNA SYNTHESIZERS



SEND YOUR SEQUENCES
BY E-MAIL
FOR DIRECT
EXECUTION

USA

ORDER AT : oligos@gensetlj.com

For quotation : marketing@gensetlj.com

EUROPE & ASIA

ORDER AT : oligos@genset.fr

For quotation : marketing@genset.fr

Circle No. 43 on Readers' Service Card

Practical Sedimentology. Douglas W. Lewis and David McConchie. 2nd ed. Chapman and Hall, New York, 1994. x, 213 pp., illus. \$49.95.

The Quest for Life in Amber. George Poinar and Roberta Poinar. Addison-Wesley, Reading, MA, 1994. xvi, 219 pp., illus., + plates.

Reagents for Organic Synthesis. Vol. 17. Mary Fieser. Wiley, New York, 1994. x, 443 pp. \$54.95.

Recombinant Vectors in Vaccine Development. Fred Brown, Ed. Karger, Farmington, CT, 1994. viii, 268 pp., illus. Paper \$200 or DM299 or SFr250. Developments in Biological Standardization, vol. 82. From a symposium, Albany, NY, May 1993.

Reminiscences of the Vienna Circle and the Mathematical Colloquium. Louise Golland, Brian McGuinness, and Abe Sklar, Eds. Kluwer, Norwell, MA, 1994. xxvi, 242 pp., illus. \$88.50 or £60 or Dfl.150. Vienna Circle Collection, vol. 20.

Scaling Fisheries. The Science of Measuring the Effects of Fishing, 1955-1955. Tim D. Smith. Cambridge University Press, New York, 1994. xii, 392 pp., illus. \$74.95. Cambridge Series in Applied Ecology and Resource Management.

Sea Breeze and Local Winds. John E. Simpson. Cambridge University Press, New York, 1994. xiv, 234 pp., illus. \$39.95.

Seaweed Ecology and Physiology. Christopher S. Lobban and Paul J. Harrison. Cambridge University Press, New York, 1994. xii, 366 pp., illus. \$69.95.

Sedimentation of Organic Particles. Alfred Traverse, Ed. Cambridge University Press, New York, 1994. xii, 544 pp., illus. \$140.

Theory and Design of Charged Particle Beams. Martin Reiser. Wiley, New York, 1994. xxii, 607 pp., illus. \$64.95. Wiley Series in Beam Physics and Accelerator Technology.

Thermodynamics of Flowing Systems. With Internal Microstructure. Antony N. Beris and Brian J. Edwards. Oxford University Press, New York, 1994. xx, 683 pp. \$95. Oxford Engineering Science Series, vol. 36.

Thinking and Deciding. 2nd ed. Jonathan Baron. Cambridge University Press, New York, 1994. xiv, 588 pp., illus. \$59.95; paper, \$24.95.

Turtles, Termites, and Traffic Jams. Explorations in Massively Parallel Microworlds. Mitchel Resnick. MIT Press, Cambridge, MA, 1994. xx, 163 pp., illus. \$24.95. Complex Adaptive Systems.

Unimolecular and Bimolecular Ion-Molecule Reaction Dynamics. Cheuk-Yiu Ng, Tomas Baer, and Ivan Powis, Eds. Wiley, New York, 1994. xvi, 503 pp., illus. \$125. Wiley Series in Ion Chemistry and Physics.

Unnatural Selection. Technology, Politics, and Plant Evolution. Cary Fowler. Gordon and Breach, Langhorne, PA, 1994 (distributor, International Publishers Distributor, Langhorne, PA). xxiv, 317 pp. \$50 or £33 or ECU42; paper, \$20 or £13 or ECU17. International Studies in Global Change.

Vehicle Routing 2000. Advances in Time-Windows, Optimality, Fast Bounds, and Multi-Depot Routing. Bruce L. Golden, Ed. American Sciences Press, Columbus, OH, 1993. 153 pp. Paper, \$110.00. *American Journal of Mathematical and Management Sciences*, vol. 13, nos. 3 and 4.

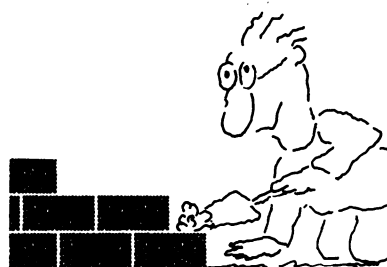
Vestiges of the Natural History of Creation and Other Evolutionary Writings. Robert Chambers. James A. Secord, Ed. University of Chicago Press, Chicago, 1994. Various pagings. Paper, \$19.95. Reprints of 1844 and 1845 eds.

Waves and Particles in Light and Matter. Alwyn van der Merwe and Augusto Garuccio, Ed. Plenum, New York, 1994. x, 628 pp., illus. \$135.00. From a workshop, Trani, Italy, Sept. 1992.

The Weather Revolution. Innovations and Imminent Breakthroughs in Accurate Forecasting. Jack Fishman and Robert Kalish. Plenum, New York, 1994. xvi, 276 pp., illus. \$27.95.

World Atlas of Reconnaissance Satellite Images, 1: 1,00,000. Vol. 81, Republic of South Africa, Lesotho, Australia, Kermadec Islands, Chile, Argentina, Uruguay, Brazil. P. Lof, Ed. Copernican Science Press, Amstelveen, The Netherlands, 1994. iv, 69 pp. \$200.

We'll Help You Build A New Lab



Let the free Science product information service put you in touch with the vendors whose products you will need.

Simply write us a letter stating the specifics about your proposed lab and the instruments and supplies you need. We will do the rest. Write to:

SCIENCE Magazine
New Lab Service Department
1333 H Street, N.W., Rm 830
Washington, DC 20005

The Global Weekly of Research
SCIENCE

TAKE A POSITION OF STRENGTH WITH

Peptide Nucleic Acids

Stronger binding. Greater specificity of interaction. Increased enzyme resistance.

These are just a few of the strengths of Peptide Nucleic Acids (PNA), new DNA analogs that combine a unique polyamide backbone with the four purine and pyrimidine bases. With the power of PNA behind you, you're in a position to forge ahead on newly developed applications — applications that are impossible with DNA.

PCR Clamping
PNA oligomers and PCR team up in an assay to detect single point mutations — without DNA sequencing.

Strand Invasion
Homopyrimidine PNA oligomers displace DNA strands to form PNA/DNA/PNA triplexes.

Custom PNA Synthesis Service
Biosearch can synthesize almost any PNA sequence you need, from simple strings of A, C, G, and T to biotin or fluorescein-labeled oligomers.

Call to sign up for our series of "Practical PNA" notes and get the details on our PNA synthesis service.

U.S. and Canada: 1-800-872-0071 • Japan: (03) 3471-8191
Europe: (44) 0923 211107

Biosearch is a trademark of Biosearch, Inc.
The PCR process is covered by U.S. patents owned by Hoffmann-La Roche, Inc. and F. Hoffmann-La Roche Ltd.
Copyright © 1994 Biosearch, Inc., Bedford, MA

BIOSEARCH
Subsidiary of Millipore