Protein Purification

Handling biomolecules is an everyday task in laboratories throughout the world. Providing the materials, technologies and methodologies to manage this handling is something we have specialized in for decades.

In protein purification, this story started over 30 years ago with the introduction of Sephadex®. Today, we offer a vast gel media range that passed the 100 mark a long time ago.

All major chromatographic techniques used in managing protein purification are supported, not only with a full complement of gels. We also offer handbooks and workshops detailing methodologies established in our laboratories, or in cooperation with the research and industrial communities.

This diversity of experience also explains why we can help you manage protein purification at al-
most any scale, from nanogramme to kilogramme quantities. This applies whether you need new handling systems for a small quantity of a growth factor, or the large scale production of recombinant products, such as insulin and growth hormone.

Your future biomolecule management needs are the focus of our own research efforts, not only in proteins but also in peptides and nucleic acids.

At Pharmacia LKB, we're always looking for ways to better help you manage biomolecules. And we're constantly finding them. To be sure that you have access to the latest tools in support of protein purification, contact your nearest Pharmacia LKB representative.

We help you manage biomolecules.
Master 96 wells with two simple instruments.

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The Brinkmann Transferpette™ 8/12 fits comfortably in your hand while you are performing 8- and 12-channel sample transfers and serial dilutions.

The other repeats...
The Eppendorf Repeater Plus/8™ reduces the fatigue of routinely filling 96-well plates by rapidly dispensing up to 48 times without refilling.

And Brinkmann has both.
Both instruments have unique features to help you master your laboratory procedures.


Shaping the future with Brinkmann
Never before has a dual wavelength spectrophotometer done so much

Whether your samples are clear or turbid, the DW-2000™ UV/VIS spectrophotometer is the easiest, most precise way to perform simple or complex analyses. It combines the double beam mode of operation for routine samples with a dual wavelength capability for handling complex analyses.

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for so many

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so precisely

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Never before has a spectrophotometer done so much, for so many, so precisely... and so economically.

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Science and Creation: Geological, Theological, and Educational Perspectives, Edited by Robert W. Hanson.
The creation/evolution controversy is examined by scientists, theologians, educators, and historians. These authors view the controversy as a false dichotomy and as an attempt to force a choice between two ideas that are not mutually exclusive. Includes case studies from several states. 1986; 240 pp.; hardcover $24.95 ($19.95 for AAAS members); AAAS Publication #86-19.

Are students in the U.S. developing the skills necessary for a high technology society, or will it be technological boom, educational gloom? Useem examines education in California's "Silicon Valley" and Boston's Route 128, two of the country's leading high tech centers, and suggests ways for education and industry to forge a stronger partnership for the future. 1986; 278 pp.; hardcover $19.95 ($15.95 for AAAS members); AAAS Publication #86-21.

The Gene-Splicing Wars: Reflections on the Recombinant DNA Controversy, Edited by Raymond A. Zilinskas and Burke K. Zimmerman.
Questions of safety and ethics about recombinant DNA techniques continue to surface. This book takes a look at historical, political, industrial, scientific, and international aspects of these issues. The authors show how lessons learned from the experience can be used to cope with similar issues in the future. 1986; 288 pp.; hardcover $24.95 ($19.95 for AAAS members); AAAS Publication #86-18.

Who controls research? A growing number of legal and administrative disputes raise critical issues of professional sovereignty, scientific secrecy, and proprietary rights. Nelkin offers cases illustrating the dilemmas that arise as the interests of scientists, the rights of citizens, and the security needs of government and industry come into increasing conflict. 1984; 130 pp.; softcover $9.00 ($7.25 for AAAS members); AAAS Publication #84-17.

Order from: AAAS Marketing, Dept. SP, 1333 H Street, NW, Washington, DC 20005. Please specify the appropriate AAAS Publication #(s), add $2.00 postage & handling per order, and allow 4-6 weeks for delivery. VISA and MasterCard accepted. For shipments to CA, add applicable sales tax.

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The Reconstruction of Disturbed Arid Lands: An Ecological Approach

Edited by Edith B. Allen, Systems Ecology Research Group, San Diego State University

In recent years, ecological considerations have played an important role in the reconstruction of arid and semiarid lands that have been disturbed by grazing, fire, wood harvesting, drought, mining, or other causes.

This book uses a multidisciplinary approach in discussing the structure and functioning of a variety of native and self-perpetuating ecosystems as well as the diverse methods used in the revegetation process.

$38.50; AAAS members $30.80 (include membership number from Science). 268 pp., 1988. AAAS Selected Symposium 109.

Order from: Westview Press, Dept. AAAS, 5500 Central Avenue, Boulder, CO 80301. (Add $2.50 postage and handling for the first copy, 75 cents for each additional copy; allow 4–6 weeks for delivery.)

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A. M. Gotto and R. Paoletti, Chairmen

PLENARY LECTURES

Gotto: Status of Control of Atherosclerosis and Lipids
New Developments in Factors that affect Risk
Cell-Cell and Cell-Lipid Interactions

Pathogenesis of Lipoprotein Disorders
Risk
Pharmacology of Atherosclerosis

Drugs Affecting Lipid Metabolism
Havel, Eisenberg, Assmann, Steinberg
Recent Advances in Therapy
Grundy, V. Brown, Paoletti, Bliheimer, Gotto

SYMPOSIA AND ROUNDTABLES

Merck Symposium: A Five Year Perspective on the Safety of HMG-CoA Reductase Inhibitors
Roundtable: National and International Cholesterol Campaigns
Squibb Symposium: Frontiers in Cholesterol Metabolism and Intervention

Merrell Dow Symposium: Antioxidant Drugs
Roundtable: What is the future of CHD prevention and the role of lipid regulation?
Parke Davis Symposium: An HDL Workshop: An Update on the Interrelationships of HDL and Atherosclerosis
Sandoz Symposium: Atherogenesis: Prevention and Control

24 Additional Workshops are scheduled.

Participants are encouraged to submit abstracts, which will be given as either an oral platform presentation or a poster presentation.

DEADLINE FOR RECEIPT OF ABSTRACTS: JULY 31, 1989

For Registration Information and Abstract Forms, contact
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Publication will begin with an issue to be mailed to all ASCB members in the fall of 1989.

For information regarding manuscript submissions and subscriptions, please contact: ASCB, 9650 Rockville Pike, Bethesda, MD 20814 (301) 530-7153
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IBI DNA SEQUENCING WORKSHOP

Schedule for 1989

JUNE 13 - 16
Rutgers University, New Brunswick, NJ
JULY 11 - 14
Duke University, Durham, NC
JULY 25 - 28
Georgetown University, Washington, D.C.
AUGUST 1 - 4
Memphis State University, Memphis, TN
AUGUST 15 - 18
San Francisco State University, San Francisco, CA
SEPTEMBER 12 - 15
Florida Institute of Technology, Melbourne, FL
NOVEMBER 14 - 17
Iowa State University, Ames, IA
NOVEMBER 28 - DECEMBER 1
Baylor Center for Biotechnology, Houston, TX
DECEMBER 5 - 8
University of Washington, Seattle, WA
DECEMBER 12 - 15
Rutgers University, New Brunswick, NJ

Additional courses are being scheduled...
please inquire at 800-243-2555.

Each participant will perform:

- purification of template DNA
- single strand and supercoil sequencing
- DNA sequencing with Taq DNA Polymerase
- DNA sequencing with Klenow fragment
- denaturing gel electrophoresis
- autoradiography
- structural analysis with IBI Macintosh software.

The course instructor is David Starr. Tuition is $795 for four full days and includes all consumable materials. Participants will receive a one-time 15% discount on equipment or materials purchased from IBI. Meals or lodging are to be arranged by the participants. Class size will be limited to 16 people.

For more information or registration, please call or write: Lisa Salen, Program Coordinator, or David R. Starr, Workshop Instructor.

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