



Walter de Gruyter
Berlin · New York

H. Hirai
(Editor)

Electrophoresis '83

Advanced Methods Biochemical and Clinical Applications

Proceedings of the International Conference on Electrophoresis
Tokyo, Japan, May 9-12, 1983

March 1984. 17 cm x 24 cm. Approx. XXI, 770 pages. Numerous
illustrations. Hardcover. DM 280,-; approx. US \$ 127.50
ISBN 3 11 009788 5

Contents (Main Chapters)

Opening Speech · Plenary Lecture · General · Two-Dimensional
Electrophoresis · Cell Electrophoresis · Isoenzyme · Isoelectric
Focusing and Isotachopheresis · Affinity Electrophoresis ·
Application · Author Index · Subject Index.

Prices are subject to change without notice

BIOSCIENCE REPORTS

**Short Papers and
Reviews in
Molecular and
Cellular Biology**

**Short papers
and reviews —
*f-a-s-t***

**Authors usually receive a response to a submitted
paper in 2-3 weeks, and publication follows in about
2 months.**

Honorary Advisory Editors

A Kornberg, Stanford
R R Porter, Oxford
F Sanger, Cambridge

**Manuscripts (submitted by authors
direct to a member of the Board of
Editors) after acceptance are typeset on
a word processor and are printed on
glossy paper for high-quality
reproduction of half-tones.**

Board of Editors

C A Pasternak (Chairman), London
William J Lennarz (Deputy Chairman), Baltimore

R A Bradshaw, Irvine	E Lazarides, Pasadena
W J Brammar, Leicester	H J Müller-Eberhard, La Jolla
G H Dixon, Calgary	V Mutt, Stockholm
R F Doolittle, La Jolla	A Peterkofsky, Bethesda
A A Eddy, Manchester	K A Piez, Palo Alto
D M Engelman, New Haven	P-P Slonimski, Gif-sur-Yvette
J R Griffiths, London	R J P Williams, Oxford
F W Hemming, Nottingham	A R Williamson, Greenford
H-D Klenk, Giessen	

Subscriptions (annual rate £95.00/US\$215.00, 12 issues):
The Biochemical Society Book Depot, PO Box 32, Commerce Way, Colchester CO2 8HP, Essex, UK

For other details:
Ms Suzanne Miller, Editorial Secretary, Bioscience Reports, Department of Biochemistry, St George's Hospital Medical School, Cranmer Terrace, London SW17 0RE, UK (Tel 01-672 1255 X5010)
Professor William J Lennarz, Department of Physiological Chemistry, School of Medicine, The Johns Hopkins University, Baltimore, MD 21205, USA (Tel (301) 955-3818)

BIOTECHNOLOGY

Edited by C. F. PHELPS
and P. H. CLARKE

The fourteen contributions forming this volume were presented at a London meeting of the Biochemical Society including the Society's Forty-Eighth Symposium 'Biotechnology', in December 1982. With today's increasing pressures to develop latest laboratory findings into practical industrial processes as quickly as possible the chosen theme of this Symposium was a timely one. The papers represent up-to-date reports from international biochemists whose work is of direct relevance to the wide areas of interests concerned with biotechnology, together with glimpses of the early development of its techniques and a look at its exciting future.

List of contents and authors:

Preface. How Biotechnology Developed at University College London by E. M. Crook. *The Future of Biotechnology* by P. Dunnill. *Carbohydrate Transformations by Immobilized Cells* by C. Bucke. *Biological Halogenation and Epoxidation* by S. L. Neidleman & J. Geigert. *High-Productivity Alcohol Fermentations using Zymomonas mobilis* by M. L. Skotnicki, R. G. Warr, A. E. Goodman, K. J. Lee & P. L. Rogers. *The Problem of Lignin Biodegradation* by L. Wallace, A. Paterson, A. McCarthy, U. Raeder, L. Ramsey, M. MacDonald, R. Haylock & P. Broda. *Special Bacterial Polysaccharides and Polysaccharases* by T. Harada. *A New Era of Exploitation of Microbial Metabolites* by A. L. Demain. *Industrial Prospects for Thermophiles and Thermophilic Enzymes* by B. S. Hartley & M. A. Payton. *Anaerobic Fermentations – Some New Possibilities* by J. G. Morris. *Xenobiotic Degradation in Industrial Sewage: Haloaromatics as Target Substrates* by H. J. Knackmuss. *Genetic Analysis and Manipulation of Catabolic Pathways in Pseudomonas* by P. R. Lehrbach & K. N. Timmis. *Plant Cell Cloning and Culture Products* by L. H. Jones. *A Hybrid Promoter and Portable Shine-Dalgarno Regions of Escherichia coli* by H. A. De Boer, L. J. Comstock, A. Hui, E. Wong & M. Vasser. *Subject Index.*

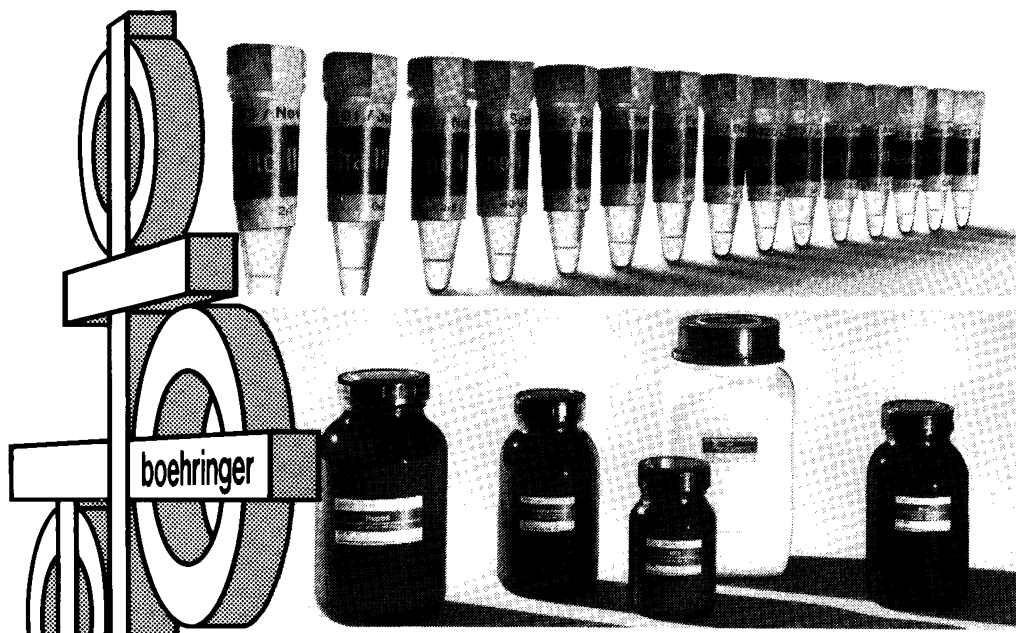
257 pp. ISBN 0 904498 15 8 £25.00 (US \$57.50)



Order from

THE BIOCHEMICAL SOCIETY BOOK DEPOT

PO Box 32, Commerce Way, Colchester CO2 8HP, Essex, U.K.

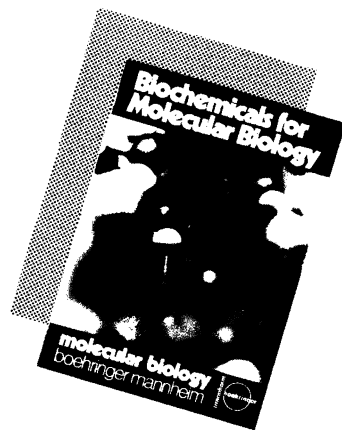


Boehringer Mannheim are extending their range of restriction enzymes and buffers

A *ha* III, *Sau* I (MstII) and *Stu* I are part of the rapidly expanding programme of restriction enzymes from **Boehringer Mannheim**. Not only is our range *wider* than ever, but each new enzyme is supplied with a comprehensive batch-specific data sheet for optimal control of experimental conditions.

Boehringer Mannheim's range of buffers is expanding too. Each one undergoes the highest standard of purification and quality control to provide you with a reliable yet economical preparation. *Tris*, for example, is notable for its low level of heavy metal contamination, whilst *Hepes* is suitable as a cell culture buffer since it is function tested for cell growth.

A new book "*Biochemicals for Molecular Biology*" presents information on our range of products for the Molecular Biologist. We will send a copy to you on request.



BCL boehringer mannheim
The **Boehringer Corporation (London) Ltd**

Boehringer Mannheim House, Bell Lane, Lewes, East Sussex BN7 1LG. Telephone: Lewes (07916) 71611