Meet fifteen new Olympus Microscopes:

The universal research microscope AH/VANOX

Olympus meets change with change, and offers you the most flexible research microscope ever. Its rugged, modern, square-line stand contains a wide choice of application-oriented options that let you modify its configuration to suit your own use. You choose from four light sources, bright field or dark field contrast, phase contrast, fluorescence, from achromats to plan apochromats three stages, interference contrast—transmitted and reflected light. The new Olympus AH/VANOX modular concept increases your opportunities to build a system around your own requirements by providing a complete range of Olympus accessories. They include objective lens combinations and modular attachment camera systems that can be used with other Olympus microscopes. An economy without sacrificing quality. Find out how you can give your lab ultimate capabilities. Your Olympus dealer can give you more details, or send the coupon.

Just published—an expanded paperback edition of

FOUNDATIONS OF EXPERIMENTAL EMBRYOLOGY

Edited by Benjamin H. Willier and Jane M. Oppenheimer

New Second Edition

Here are 14 scientific milestones from 1888 to the mid-1970s. An ideal supplement at a price your students can afford

- Each article is selected for its relevance and influence on the historical evolution of embryology.
- Headnotes explore the background and consequences of each article.
- Three new articles deal with the nerve growth factor (1954), ionic communication between cells (1969), and with over-all embryonic patterning (1973).
- The new 8,000-word introductory essay by Dr. Oppenheimer surveys the growth of developmental biology as an evolving discipline.


1974 Approx. 300 pp. 84986 paper $4.95

If you wish to consider Foundations of Experimental Embryology as a required supplement in your course, you may request an exam copy.

HAFNER PRESS A Division of Macmillan Publishing Co., Inc.
233P Brown Street, Riverside, N. J. 08075

Please send: Willier/Oppenheimer, FOUNDATIONS, 84986 $4.95

Residents of New York, New Jersey, and California please include sales tax.

Name__________________________
Address________________________
City______________________________
State________________ Zip__________

Circle No. 646 on Readers' Service Cord

OLYMPUS

CORPORATION OF AMERICA

Precision Instrument Division, Dept. A-8
2 Nevada Drive, New Hyde Park, N. Y. 11040
(Telephone: 516-488-3880)

Name__________________________
Title____________________________
Address__________________________

Circle No. 598 on Readers' Service Cord
PERSONNEL PLACEMENT

POSITIONS OPEN

ASSISTANT PROFESSORS

Openings for ecologist (starting January 1975) and toxicologist/veterinarian (starting September 1975) at assistant professor level. Duties involve participation in research, teaching and graduate level. Ph.D. required, research experience is competitive. Send curriculum vitae and names of three references to: Professor J. Nunez, Chairman, Department of Biology, University of Michigan 48221.

An equal opportunity employer.

ASSISTANT PROFESSOR OF BIOLOGY

At Lehigh University, with specialty in marine biology. Responsibilities include teaching undergraduate and graduate courses in marine biology, advising M.S. and Ph.D. candidates, and conducting research in the marine field. Position is available subject to final approval until 15 January 1975. Preference will be given to candidates with postdoctoral experience. Salary and fringe benefits are competitive. Send curriculum vitae, and names of three references to: Professor Sidney S. Herman, Search Committee, Department of Biology, Lehigh University, Bethlehem, Pa. 18015.

Lehigh University is an equal opportunity employer and applications from minority groups and women are encouraged.

ASSISTANT PROFESSOR OF CHEMISTRY

Applications are invited from candidates for a position in a growing well-equipped department. Applicants must have a Ph.D. and considerable postdoctoral and undergraduate teaching while pursuing doctoral research. The area of organic or biochemistry. Position is available subject to final approval until 15 January 1975. Preference will be given to candidates with postdoctoral experience. Salary and fringe benefits are competitive. Send curriculum vitae, and names of three references to: Professor M. M. H. G. R. Z. H. S., Chairman, Department of Chemistry, University of Maryland Baltimore County, 5401 Wilkins Avenue, Catonsville, Maryland 21228.

An equal opportunity employer and applications from minority groups and women are encouraged.

ASSISTANT PROFESSOR (Human Anatomist) for September 1975

Ph.D. with one or more of postdoctoral experience in anthropology. The area of biological anthropology is required. To teach a human anatomy course in conjunction with an anthropology course in health-related program for undergraduate students. Candidates are expected to develop an active research program in physical anthropology and maintain a rigorous research program. Send a curriculum vitae, statement of research and teaching experience, and three letters of recommendation by 1 January 1975 to:

Chairman
Department of Biological Sciences
Oakland University
Rochester, Michigan 48043
An Equal Opportunity Employer

ASSISTANT RESEARCH NEUROSCIENTIST

Qualifications include: (i) a strong background in mathematics and experience in training in the Neurosciences with particular emphasis on electrophysiology and slow waves of the sleeping brain; (ii) substantial knowledge of electrophysiologic signals recorded from the brain; and (vi) experience and ability to carry out an active research program in unit recording and slow wave recording.

The University of California is an Equal Opportunity/Affirmative Action Employer—Women and minorities are encouraged to apply.

Send resume and bibliography to:

University of California, San Diego
Department of Neurobiology
La Jolla, California 92037

COASTAL AND OCEANOGRAPHIC ENGINEER

The Department of Engineering Sciences of the University of Florida invites applications for a position of Coastal and Oceanographic Engineer. The successful candidate will participate in developing and testing and with the possibility of graduate training. The background in the areas are interrelated. The position of specialization may be considered, and an active research program is expected. Application forms may be obtained by contacting the Chair of the Oceanographic Engineer. Current status must be submitted by 15 December 1974 to Knox Millspaugh, Chairman, Department of Engineering Sciences, University of Florida, Gainesville, Florida 32611.

An Equal Opportunity/Affirmative Action Employer

FACULTY POSITION—BIOCHEMISTRY

Applications are invited from individuals highly qualified in biochemistry. Candidates should have postdoctoral experience and must show accomplishment in research and teaching. Academic rank dependent upon qualifications and experience. Submit curriculum vitae, a statement of research interests, and names of three references (letters of recommendation are not required). The search plans, and names of three references to: Dr. Joseph H. Landau, Chairman, Department of Biology, Rensselaer Polytechnic Institute, Troy, New York 12181.

Equal Opportunity Employer.

BIOCHEMISTRY

University academic position for Ph.D. biochemist in Midwest psychiatric institute. Equal Opportunity Employer.

Box 442, SCIENCE

RENSSELAER POLYTECHNIC INSTITUTE DEPARTMENT OF BIOLOGY

Junior faculty position as Assistant Professor in Developmental Cell Biology to begin in January, June, or September 1975. Teaching responsibilities are to be in cell biology and a graduate course of one's own creation. Participation in elementary biology and senior projects is required. Applicants must demonstrate research achievement and a strong commitment to teaching. The position is open for 9 months; 6-week summer session course in embryology will provide additional 2/3 of salary. Send curriculum vitae, letters of recommendation to: Dr. Joseph V. Landau, Chairman, Department of Biology, Trinity College, Hartford, Conn. 06106.

An equal opportunity/affirmative action employer.

ELECTRON MICROSCOPE TECHNICIAN


ENVIRONMENTAL BIOLOGIST: Research interests in systems simulation-modeling, or physical and biological ecology. Teaching and general advanced courses in specialty plus participation in biodiversity. Applicant should have Ph.D.; temporary Lecturer with essential completion of doctorate. Applications to be received by 15 August 1975. Send curriculum vitae, transcripts, and an explanation of recent professional experiences and statement of interest in biology. Send application to: Dr. Norman D. Lees, Secretary, Environmental Biologist Search Committee, Department of Biology, Indiana University, Bloomington, Indiana 47405. An Affirmative Action/Equal Opportunity Employer.

GENETICIST: Working on genetic control of departmental processes in eukaryotes. Teaching and general advanced courses in specialty plus participation in biodiversity. Applicants should have Ph.D.; temporary Lecturer with completion of doctorate. Rank Assistant Professor with Ph.D.; temporary Lecturer with essential completion of doctorate. Applications to be received by 15 August 1975. Send curriculum vitae, transcripts, and an explanation of recent professional experiences and statement of interest in biology. Send application to: Dr. Norman D. Lees, Secretary, Geneticist Search Committee, Department of Biology, Indiana University-Purdue University at Indianapolis, Indianapolis, Indiana 46205. An Affirmative Action/Equal Opportunity Employer.

170

SCIENCE, VOL. 186
Third Printing

... Just Off the Press

ENERGY AND THE FUTURE

A new and authoritative AAAS book takes a long range look at energy. The broad scope and balanced perspective make it a valuable resource for anyone wishing to explore the scientific and technological bases of the energy dilemma. Presently in use as a text in more than thirty universities and colleges.

"At last book on energy that gives a comprehensive overview of emerging energy technologies. It reads like a What's What in Energy Research."

Business Week, August 1973

Price: $9.95 ($8.95 Member price)
Casebound
$4.95 ($4.45 Member price)
Paperbound

Send to Dept. EB

AAAS
AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE
1515 Massachusetts Avenue, N.W.
Washington, D. C. 20005

Micro-Power MANIPULATION

Enjoy the comfort and efficiency of motorized fine motions in three dimensions (XYZ) responding instantaneously to speed and translation commands by remote "joystick" control.

RESEARCH ASSOCIATE

Ph.D. with emphasis in Virolology tissue culture and immunology. Responsibility will include development and pilot plant production of candidate viral and bacterial vaccines. Send C. V. to: D. H. Gattone, Personnel Manager.

J. ROBERT OPPENHEIMER RESEARCH FELLOWSHIPS

The Los Alamos Scientific Laboratory is proud to announce the second annual competition for the J. Robert Oppenheimer Research Fellowships.

Candidates should be recent recipients of a doctorate in the physical sciences, natural sciences, mathematics, or engineering who have demonstrated the ability to perform research of the highest degree of excellence.

The one to three year appointments carry an annual salary of $22,500.00.

Closing date for the competition is December 1, 1974.

Inquiries should be directed to:
R. Lynn Wilson, Recruiting Supervisor
Division 75-V
Los Alamos Scientific Laboratory
P.O. Box 1663
Los Alamos, New Mexico 87544

An Equal Opportunity Employer
U.S. Citizenship Required

11 OCTOBER 1974
INTERNATIONAL REGULATORY OPERATIONS

Almost phenomenal expansion of Abbott's International Operations has created an important assignment with worldwide horizons. You'll join a leader in health care; present sales over $600 million, projected to over one billion dollars in 3 or 4 years.

Your prime responsibility is to assist and understudy the Director—especially in the following areas: Assist affiliates, agents, and distributors with registration of corporate products in their countries; Assist in obtaining government clearance for clinical trials; Interpret U.S. laws as they apply to Abbott export business; Prepare and follow through on IND's submitted to the FDA; and review and approve all promotional material used outside the U.S.

We need a self-assured, mature person with regulatory experience in industry or government with a Ph.D. in a para-medical or pharmaceutical science. Knowledge of foreign languages is a definite asset.

The compensation package will prove more than interesting to the dynamic and innovative individual we seek. Location is a modern Northern Chicago headquarters facility. Please send resume, including salary progression, in confidence, to:

Joanne Roberts
Professional Employment
ABBOTT
NORTH CHICAGO, ILL. 60064

An Equal Opportunity Employer M/F

HEADEOF

PHARMA-

ICOLOGY

ICI UNITED STATES is a subsidiary of one of the world's leading multi-national industrial companies. We are presently seeking a highly competent Ph.D. to join our pharmaceuticals group as head of pharmacology.

The position requires a minimum of 5-10 years experience in the pharmaceutical industry, a record of success in new drug discovery and supervisory experience with Ph.D. level pharmacologists in a multi-disciplined area environment.

We offer an excellent salary and benefits package, relocation expenses to our convenient suburban location, and a highly professional atmosphere with outstanding short-term growth prospects. Reply in confidence to: J. B. McIntire, Professional Employment, ICI UNITED STATES, INC., Wilmington, Delaware 19899.

ICI United States Inc.

An Equal Opportunity Employer M/F

11 OCTOBER 1974
IMMUNOLOGIST/MICROBIOLOGIST

A full-time faculty position in a new 4-year medical school will be available January 1975. Responsibilities will involve participation in teaching, research, and graduate education in Medical Microbiology and Immunology during fall quarter and elective courses during winter and spring quarters. Research, teaching, and equipment for clinical training in a growing medical center. Academic rank and salary open above a seventh assistant professor. Send curriculum vitae with references to Dr. Emil Kiemle, Dean, University of Illinois, Urbana-Champaign, Illinois 61801.

RESEARCH ASSOCIATE POSITION

For person interested in the primary structure of animal viruses with Sanger's two-dimensional electrophoresis technique required and 4-5 years experience. Apply with curriculum vitae and references. M. E. Reppich, Department of Microbiology, University of Illinois, Urbana-Champaign, Illinois 61801.

RESPIRATORY PHYSIOLOGIST, Ph.D.

To join a biomedical research team carrying out animal and clinical research in acutely, the support veterinarian. For further information please contact:

Richard Zuckerman, Ph.D.

Strand, Gill and Associates, Inc.

1301 West 22 Street

Oak Brook, Illinois 60521

Virologist/Molecular Biologist Full-time faculty position with a close association with the new Research Institute. Applicants must have a Ph.D. or equivalent degree and strong postdoctoral experience in molecular and/or biochemical aspects of animal viruses and be capable of developing an independent research program focusing on basic or applied aspects of experimental viruses. Teaching duties include participation in courses for medical and graduate students. Send curriculum vitae and references to Dr. Gerald D. Shockman, Chairman, Department of Microbiology and Immunology, and School of Medicine, Temple University, Philadelphia, Pa. 19140. Equal Opportunity Alternative Action Employee.

POSTDOCTORAL RESEARCH IN BIOCHEMISTRY

Applications are invited for a postdoctoral research position to study germicide biosynthesis and its regulation in normal and neoplastic tissues. Reference is given to applications with particular emphasis on the biosynthesis or modification of macromolecules. Position available immediately. Starting salary $5000. Send inquiries to: Dr. George C. Tremblay, Department of Microbiology, State University of New York at Stony Brook.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

FACULTY OF MEDICINE

Pre- and post-doctoral positions are available for studies on the protein synthesis system with special emphasis on ribosomes—topography, biosynthesis and regulation. The positions are available immediately. Starting salary $6000. Send inquiries with resume to: Dr. Mark B. H. Nells, Laboratory of Molecular Biology, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.

PROFESSOR OF MECHANICAL ENGINEERING

Candidate should currently be a full professor actively involved in heat transfer, fluid mechanics, engine design, and experimental research. Experience in teaching and research on heat transfer mechanics, radiation, free and forced convection and mass transfer is essential. The University offers the opportunity to develop experimental facilities at both the undergraduate and graduate level. Send curriculum vitae to: G. P. Francis, Chairman, Department of Mechanical Engineering, State University of New York, Buffalo, New York 14214. An equal opportunity alternative action employer.

RADIOLOGIST

MD with active research interest in oncology and radiobiology. Well-qualified individuals should submit curriculum vitae immediately for consideration. Applications should be submitted to: Chairman, Department of Radiology, Wayne State University School of Medicine, Detroit, Michigan 48202. An equal opportunity employer.

TOKOLOGIST

Head up small animal toxicology department in rapidly growing major independent laboratory. Minimum of 5 years of experience in laboratory animal toxicology required. Ph.D. or M.S. desirable but not essential in lieu of experience. Salary open. Send resume of confidence to: Mr. John Ragen, Director of Personnel, International Research and Development Corp., Mattawan, Michigan 49067.
The expanding UNIVERSAL.

There is no microscope technique in use today, nor is there likely to be tomorrow, that cannot be performed with the Zeiss Universal, even if you bought one two decades ago. And there is no microscope that requires such a minimum exchange of components when switching from one method to any other—none so easy to do it with. There is only one other microscope as versatile: the revolutionary new Zeiss Axiomat. But then, the Axiomat costs much more.

A constantly expanding universe of major accessories for photomicrography, photomacrography, cinematography and TV, photometry, quantitative stereometric image analysis, or anything else.

A complete world of great Zeiss Optics sheds new light on your work in:
MEDICINE—BIOLOGY—METALLOGRAPHY
MICROELECTRONICS—CHEMISTRY
or whatever your discipline may be.

A whole panorama of information is contained in our 26-page color brochure. Send for your copy: Carl Zeiss, Inc., 444 Fifth Avenue, New York, New York 10018. Or telephone (212) 736-6070.
Nationwide service.

BRANCH OFFICES: BOSTON, CHICAGO, COLUMBUS, HOUSTON, LOS ANGELES, SAN FRANCISCO, WASHINGTON, D.C.
Select one free Ultra Pure from the following:

90-1946 Ammonium Sulfate, Ultra Pure 10 kg
90-5025 Cesium Chloride, Optical grade 100 g
90-7801 Guanidine Hydrochloride, Ultra Pure 500 g
90-9530 Sucrose, Density Gradient, Crystalline, Ultra Pure 7 kg
90-6593 Tris, Hydrochloride, Ultra Pure 1 kg
90-7438 Tris, Ultra Pure 2 kg
90-9200 Urea, Ultra Pure 5 lb
90-2805 Adenosine 5' Triphosphate, Disodium (ATP) 10 g

Special Offer and Special Prices and November 30, 1974

Select from these fine radiochemicals

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>COMPOUND</th>
<th>SPEC. ACT.</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1433-07</td>
<td>Adenosine 5'-Triphosphate, Tetratithium (8-3H) (ethanol:water 1:1)</td>
<td>12,000-25,000</td>
<td>$40.00/mc</td>
</tr>
<tr>
<td>1433-09</td>
<td>Adenosine 5'-Triphosphate, Tetratithium (8-3H) (ethanol:water 1:1)</td>
<td>12,000-25,000</td>
<td>$40.00/mc</td>
</tr>
<tr>
<td>3122-13</td>
<td>L-Alanine (1C) (0.01 N HCl sol.) (U)</td>
<td>135-165</td>
<td>90.00/mc</td>
</tr>
<tr>
<td>3122-15</td>
<td>L-Arginine (1C) (0.01 N HCl sol.) (U)</td>
<td>270-320</td>
<td>75.00/mc</td>
</tr>
<tr>
<td>1433-38</td>
<td>Cytidine 5'-Triphosphate, Tetratithium (5-3H)</td>
<td>5,000-15,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>1433-39</td>
<td>Cytidine 5'-Triphosphate, Tetratithium (5-3H)</td>
<td>5,000-15,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-06</td>
<td>Deoxyadenosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>&gt;10,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-07</td>
<td>Deoxyadenosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>&gt;10,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-33</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>15,000-30,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-34</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>15,000-30,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-58</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>&gt;10,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-59</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>&gt;10,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>3122-31</td>
<td>Glycine (1C) (0.01 N HCl sol.) (U)</td>
<td>95-100</td>
<td>60.00/mc</td>
</tr>
<tr>
<td>1433-59</td>
<td>Guanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>5,000-15,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>1433-60</td>
<td>Guanosine 5'-Triphosphate, Tetratithium (8-3H)</td>
<td>5,000-15,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>3122-41</td>
<td>L-Leucine (1C) (0.01 N HCl sol.) (U)</td>
<td>270-320</td>
<td>170.00/mc</td>
</tr>
<tr>
<td>3122-45</td>
<td>L-Lysine (1C) (0.01 N HCl sol.) (U)</td>
<td>270-320</td>
<td>170.00/mc</td>
</tr>
<tr>
<td>3122-49</td>
<td>L-Phenylalanine (1C) (0.01 N HCl sol.) (U)</td>
<td>405-495</td>
<td>320.00/mc</td>
</tr>
<tr>
<td>3122-51</td>
<td>L-Proline (1C) (0.01 N HCl sol.) (U)</td>
<td>225-265</td>
<td>170.00/mc</td>
</tr>
<tr>
<td>3122-53</td>
<td>L-Serine (1C) (0.01 N HCl sol.) (U)</td>
<td>135-165</td>
<td>320.00/mc</td>
</tr>
<tr>
<td>2533-83</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>360</td>
<td>60.00/mc</td>
</tr>
<tr>
<td>2533-84</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>1900</td>
<td>120.00/mc</td>
</tr>
<tr>
<td>2533-85</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>3000</td>
<td>130.00/mc</td>
</tr>
<tr>
<td>2533-86</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>6000</td>
<td>260.00/mc</td>
</tr>
<tr>
<td>2533-87</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>&gt;10,000</td>
<td>260.00/mc</td>
</tr>
<tr>
<td>2533-88</td>
<td>Thymidine (methyl-3H) (st. ag. sol.)</td>
<td>40,000-60,000</td>
<td>260.00/mc</td>
</tr>
<tr>
<td>2433-94</td>
<td>Thymidine 5'-Triphosphate, Tetraethylthium (methyl-3H)</td>
<td>&gt;40,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>2433-95</td>
<td>Thymidine 5'-Triphosphate, Tetraethylthium (methyl-3H)</td>
<td>&gt;40,000</td>
<td>40.00/mc</td>
</tr>
<tr>
<td>1533-94</td>
<td>Uridine (5'-H) (st. ag. sol.)</td>
<td>2000</td>
<td>50.00/mc</td>
</tr>
<tr>
<td>1533-95</td>
<td>Uridine (5'-H) (st. ag. sol.)</td>
<td>4000</td>
<td>50.00/mc</td>
</tr>
<tr>
<td>1533-96</td>
<td>Uridine (5'-H) (st. ag. sol.)</td>
<td>8000</td>
<td>50.00/mc</td>
</tr>
<tr>
<td>1533-97</td>
<td>Uridine (5'-H) (st. ag. sol.)</td>
<td>&gt;20,000</td>
<td>220.00/mc</td>
</tr>
<tr>
<td>1533-98</td>
<td>Uridine (5'-H) (st. ag. sol.)</td>
<td>40,000-60,000</td>
<td>50.00/mc</td>
</tr>
<tr>
<td>1433-89</td>
<td>Uridine 5'-Triphosphate, Tetraethylthium (5-3H)</td>
<td>10,000-25,000</td>
<td>165.00/mc</td>
</tr>
<tr>
<td>1433-90</td>
<td>Uridine 5'-Triphosphate, Tetraethylthium (5-3H)</td>
<td>10,000-25,000</td>
<td>165.00/mc</td>
</tr>
<tr>
<td>3122-61</td>
<td>L-Valine (1C) (0.01 N HCl sol.)</td>
<td>225-265</td>
<td>140.00/mc</td>
</tr>
</tbody>
</table>

Also available: 1° - Bovine Serum Albumin
(specific activity ~43 C/mM) . . . . please inquire

Schwarz/Mann
Science
For Mankind

Schwarz/Mann and 5D are trademarks of Becton, Dickinson and Company