Antisera to Mouse Immunoglobulins

Monospecific antisera (rabbit or goat anti-mouse) are available for the following mouse immunoglobulins and light chains:

- $\gamma A(IgA)$
- $\gamma G1(IgF)$
- $\gamma G2a(IgG)$
- $\gamma G2b(IgH)$
- $\gamma G3(FLOPC 21)$
- $\kappa$ Light Chains
- $\lambda$ Light Chains

Uses:
- Identification of Immunoglobulin types
- Inhibition studies of Immunoglobulin reactivity
- Immunoglobulin class response to antigenic stimulus

The monospecific antisera are derived by immunization with highly purified antigens. Solid phase immunoadsorption yields products free of soluble immune complexes and unwanted immunoadsorbents.

Please write for our Technical Data Sheet.

These reagents are for research use only and are not for use in humans nor for diagnostic or therapeutic purposes.
# The Journal of Immunology

## For the Mouse Immunologist

from CEDARLANE

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOW-TOX RABBIT COMPLEMENT</td>
<td>For use with mouse lymphocytes</td>
<td>Rabbit serum provides the most potent source of complement for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>cytotoxicity techniques utilizing antisera to mouse lymphocytes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>However rabbit serum is itself very toxic to mouse lymphocytes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cedarlane LOW-TOX Rabbit Complement is absorbed with agarose and mouse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>tissues to remove natural toxicity to mouse lymphocytes. Each lot is</td>
</tr>
<tr>
<td></td>
<td></td>
<td>thoroughly tested for low toxicity and high activity, and can be used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>without further processing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation: 5 x 1 ml, lyophilized Price: $30.00</td>
</tr>
<tr>
<td>ANTI-MOUSE T-CELL SERUM</td>
<td>Rabbit anti-mouse brain associated Thy-1 (theta) antiserum</td>
<td>Cedarlane Anti-Mouse T-Cell Serum is strongly cytotoxic to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T-lymphocytes, and has been thoroughly absorbed to remove</td>
</tr>
<tr>
<td></td>
<td></td>
<td>cross-reactivity against B-lymphocytes. In the presence of rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>complement, this antiserum is cytotoxic to 95-100% of thymocytes, 25-35%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>of spleen lymphocytes, and 65-75% of lymph node lymphocytes. Treatment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>of spleen cells with this antiserum plus complement abolishes the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mitogenic response to PHA (a T-cell mitogen) without reducing the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>response to LPS (a B-cell mitogen).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation: 1 ml, lyophilized $25.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 ml, lyophilized $100.00</td>
</tr>
<tr>
<td>HEMO-LO GUINEA PIG COMPLEMENT</td>
<td>For sensitive SRBC plaque assays</td>
<td>Cedarlane Hemo-lo Guinea Pig Complement is designed specifically for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>antibody forming cell plaque assays utilizing free or antigen-coupled</td>
</tr>
<tr>
<td></td>
<td></td>
<td>sheep red blood cells as indicator cells. Background hemolytic activity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is removed by pre-absorption with sheep erythrocytes. Each batch is</td>
</tr>
<tr>
<td></td>
<td></td>
<td>thoroughly tested for high complement activity and absence of</td>
</tr>
<tr>
<td></td>
<td></td>
<td>background hemolysis, and can be used without further processing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation: 5 x 5 ml, lyophilized Price: $60.00</td>
</tr>
<tr>
<td>LYMPHOLYTE-M</td>
<td>For the isolation of viable mouse lymphocytes</td>
<td>Lympholyte-M is the first cell separation medium designed specifically</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for the isolation of viable MOUSE lymphocytes. When used according to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>the instructions provided, high recovery of lymphocytes will be</td>
</tr>
<tr>
<td></td>
<td></td>
<td>obtained from all mouse lymphoid tissues. This is accomplished by the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>removal of red cells and dead cells from the lymphoid cell suspension.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lympholyte-M is particularly useful for the isolation of spleen</td>
</tr>
<tr>
<td></td>
<td></td>
<td>lymphocytes and for the removal of dead cells in sequential</td>
</tr>
<tr>
<td></td>
<td></td>
<td>cytotoxicity techniques.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation: 5 x 30 ml, sterile Price: $50.00</td>
</tr>
</tbody>
</table>

---

Direct orders or inquiries to:

**UNITED STATES:**

![Accurate Chemical & Scientific Corporation](image)

28 Tec Street, Hicksville, N.Y. 11801
Telephone (516) 433-4900

**WORLDWIDE EXCEPT U.S.:**

![Cedarlane Laboratories Limited](image)

493A Wellington Road South
London, Ontario, Canada N6C 4RJ
Telephone (519) 686-0415
coming in 1978 from Marcel Dekker, Inc. ... a new journal devoted to communicating the broad expansion of knowledge in immunopharmacology...

Executive Editor: Alan M. Reynard, Ph.D.  
SUNY School of Medicine  
Buffalo, New York

JOURNAL OF IMMUNOPHARMACOLOGY

The number of scientists participating in all phases of immunopharmacological research has increased so dramatically that a journal devoted to the broad expansion of knowledge in this field is clearly needed. As more work is done that overlaps the two disciplines of immunology and pharmacology, it becomes evident how productive the exchange of information between these disciplines can be. Studies of the pharmacological agents that modulate the immune system can elucidate the mechanisms of the immune system, and studies of the immune system lay the groundwork for understanding the mechanisms of the agents themselves.

Accordingly, JOURNAL OF IMMUNOPHARMACOLOGY will accept papers from all areas of basic and clinical research that pertain to the use of agents to modulate the immune system; their mechanisms of action at the molecular and cellular levels; the biological consequences of modulation of the immune system; and the pharmacokinetic properties and toxicities of these agents. Studies of agents that regulate inflammatory reactions, which are often direct consequences of an immune response, will also be included, as will reports of innovative diagnostic tests and assay techniques.

A direct photographic method of reproduction will be employed to ensure rapid publication of accepted articles, and the editors and publishers foresee a journal that will be of utmost interest to immunologists, pharmacologists, biologists, and physicians.

4 issues per volume; $40.00 per volume, plus $5.40 for postage and handling outside the U.S.

SEND FOR YOUR COMPLIMENTARY COPY. Write to Marcel Dekker Journals,  
P.O. Box 11305, Church Street Station, New York, New York 10249.

For editorial information regarding submission of articles, contact Dr. Alan Reynard,  
Department of Pharmacology & Therapeutics, SUNY School of Medicine, Buffalo, New York.

MARCEL DEKKER, INC., 270 MADISON AVE., NY, NY 10016 (212)889-9595
Now you can have it both ways!

The dynamic range you need to keep the major peaks on scale (20 OD full scale).

The sensitivity you need to detect minor components (0.005 OD full scale).

Pharmacia Dual Path Monitor UV-2

has a unique flow cell with two optical path-lengths for new versatility in UV-monitoring.

- Monitor absorbance quantitatively up to 20 OD units full scale with a sensitivity of 0.005 OD units full scale at the same time, in the same run.

- Monitor at 254 nm and/or 280 nm with two completely independent measuring systems.

Find out more about the practical advantages of column monitoring with the UV-2 and UV-1 Monitors. Ask about the Pharmacia Recorders too.
LKB RediRac
A new economy-priced fraction collector with the quality you have come to expect

Every lab should have one, and can afford to have several

LKB Instruments Inc.
12221 Parklawn Drive, Rockville, Maryland 20852
Tel: (301) 881-2510

Collect in:
160 tubes, diam 12mm
100 tubes, diam 16mm
45 scintillation vials
The publication consists of 8 review papers plus 35 original communications that cover the topic under 6 headings.

1. The macrophage (3 rev.)
2. Mechanisms by which macrophages exert anti-tumour activity (1 rev. 7 comm)
3. The anti-tumour effectiveness of macrophages in vivo (1 rev. 8 comm)
4. The influence of tumour cell products on macrophages (1 rev. 9 comm)
5. Macrophages in solid tumours (1 rev. 3 comm)
6. Macrophages in human cancer (1 rev. 8 comm)

These papers were presented at the European Reticuloendothelial Society Symposium held in Edinburgh, Scotland from September 12th-14th, 1977.

Available from Christmas 1977, it is approx. 450 pages in length and is printed in offset litho. To purchase send £12 or US$20 incl. surface postage (cheques payable to The Macrophage and Cancer Proceedings Account) to: The Editorial Office, Department of Surgery, University of Edinburgh Medical School, Teviot Place, Edinburgh EH8 9AG, Scotland.

FLUORESCEIN LABELED F(ab')2 FRAGMENT ANTISERA

Accurately identify surface immunoglobulins on B-lymphocytes with Kallestad's new F(ab')2 Fluorescent Antisera. High titered, quality controlled using a defined antigen substrate. Available in 1.0 ml lyophilized quantities. Comprehensive QC report included.

F(ab')2 Fluorescein Labeled Antisera available:
- Goat anti-total immunoglobulin
- Goat anti-human IgG
- Goat anti-human IgM
- Goat anti-human IgA
- Goat anti-human IgD
- Goat anti-human Kappa
- Burro anti-human Lambda

Other Fluorescein Conjugated Antisera and Antisera to human proteins available. For further information call toll free: 800-328-4400.

BIOLOGY FACULTY

Tenure Track position to teach undergrad & grad courses in area of immunology, hematology, also undergrad courses in microbiology & gen. ed. Doctorate or near completion of degree reqd. Appmt at rank of Asst Prof ($14,256–$17,136) depending on qual & exp. Contact: Dr. J. D. Crum, Dean, School of Nat Sciences, California State College, 5500 State College Pkwy, San Bernardino, CA 92407.

An Equal Opportunity/Affirmative Action Employer.
Ir GENES AND la ANTIGENS
Edited by HUGH O. McDEVITT
Proceedings of the Third Ir Gene Workshop held at Asilomar, California, December 13-16, 1976

1978, 632 pp., $19.00/£12.35 ISBN: 0-12-482260-1

IMMUNOLOGICAL INFLUENCE ON HUMAN FERTILITY
Edited by BARRY BOETTCHER
Proceedings of the Workshop on Fertility in Human Reproduction, Department of Biological Science, University of Newcastle, Australia, July 11-13, 1977

The emphasis in this book is on topics directly, or potentially, applicable to immunological control of human fertility. Recent encouraging results in the development of a reversible vaccine against pregnancy have aroused interest in a method of population control which could make an important contribution to fertility regulation in many areas of the world where adequate medical supervision is unobtainable. It was against this background of an increasing interest in the possibility of controlling fertility by immunological means that this Workshop was arranged.
1978, 384 pp., $22.50/£14.65 ISBN: 0-12-109950-4

MEASLES VIRUS AND ITS BIOLOGY
By K. B. FRASER and S. J. MARTIN


NATURAL RESISTANCE SYSTEMS AGAINST FOREIGN CELLS, TUMORS AND MICROBES
Edited by GUSTAVO CUDKOWICZ, MAURICE LANDY and GENE M. SHEARER
Proceedings of an International Conference held at the Timber Cove Inn, Jenner, California, October 18-22, 1976
Volume 7 in the PERSPECTIVES IN IMMUNOLOGY Series


Send payment with order and save postage plus 50¢ handling charge. Prices are subject to change without notice.

U.S. customers please note: On prepaid orders—payment will be refunded for titles on which shipment is not possible within 120 days.

Academic Press, Inc.
A Subsidiary of Harcourt Brace Jovanovich, Publishers
111 FIFTH AVENUE, NEW YORK, N.Y. 10003
24-28 OVAL ROAD, LONDON NW1 7DX

Please send me the following:
___ copies, McDevitt: Ir Genes and la Antigens
___ copies, Boettcher: Immunological Influence on Human Fertility
___ copies, Fraser/Martin: Measles Virus and Its Biology
___ copies, Cudkowicz et al: Natural Resistance Systems Against Foreign Cells, Tumors and Microbes

Check enclosed________ Bill me________

NAME______________________________
ADDRESS______________________________
CITY/STATE/ZIP______________________________

New York residents please add sales tax.
Direct all orders to Mr. Paul Negri, Media Dept.
Jnl_of_Immunology/5/78
5.8ml of clear reagent in a standard pipette.
5.8ml of clear reagent in a new STRIPETTE™ pipette.

It's the color stripe, magnified by the reagent, that lets you see the meniscus easier and pipette more accurately.

Stripette serological pipettes are the first basic improvement in pipettes in years. Simple, ingenious, effective. Now you can pipette faster and more reliably.

Disposable Stripettes are available in three sizes, each with a different color stripe for quick identification: 10ml in 1/10ml, 5ml in 1/10ml, and 1ml in 1/100ml. They're sterilized, plugged, and come individually wrapped or cannister-packed.

Stripettes now make ours the most complete line of innovative, highest quality disposable plastic labware: Cluster plates, dishes, flasks, Leighton tube (the only plastic disposable one), and three sizes of easy reading serological pipettes.

Costar, 205 Broadway, Cambridge, MA 02139.
Telephone 617-492-1110

Costar is a division of Data Packaging Corp.

Visit us at the joint meeting of the ASBC & AAI in Atlanta, June 5-8, 1978.
Costar: Booth B-8.
Quality Assurance Practices for Health Laboratories

Stanley L. Inhorn, MD, Editor

A compilation of timely and time-proven operating concepts and guidelines, this book is an invaluable asset for information gathering and processing in the laboratory. Written specifically to help laboratory professionals manage quality assurance procedures, it presents preventive, assessment, and corrective activities for laboratory processes.

Prepared over a period of six years by APHA with the assistance of the Center for Disease Control, it includes ideas from 100 experts, 29 professional societies, and 8 governmental agencies active in the health laboratory field.

This text provides the matrix for assessment of laboratory processes within the parameters endorsed at the National Conference on the Establishment of Standards of Performance for Environmental Laboratories held in March, 1978.


1264 pages, tables, figures, references, and extensive index.

Price: $40.00 hardcover

Viruses in Water

Editors: Gerald Berg, PhD; Howard L. Bodily, PhD; Edwin H. Lenette, MD, PhD; Joseph L. Melnick, PhD; Theodore G. Metcalf, PhD.

Because surface waters are readily contaminated by physical, chemical, and especially biological pollutants, water in many areas instead of supporting life, brings illness and death. This book is a state-of-the-art discussion of water virology, and it recommends solutions. The setting of standards for permissible virus concentrations in water by health authorities and scientific organizations is an urgently needed first step.


272 pages.

Price: $12.50 hardcover

"This is probably the most important recent book on the problems of water-borne viruses...a useful reference to specialist readers needing a broader perspective and anyone requiring a comprehensive guide to water virology."

—Abstracts on Hygiene (U.K.) 77-52-12.
PEROXIDASE-
ANTI-PEROXIDASE 
(PAP)

FOR THE
STERNBERGER TECHNIQUE

1ml Lyophilized Concentrate

Goat Peroxidase-Anti-Peroxidase (3837-3411) ........ $ 50.00
Guinea Pig Peroxidase-Anti-Peroxidase (3837-3431) ... $100.00
Rabbit Peroxidase-Anti-Peroxidase (3837-3421) ....... $ 50.00
Rat Peroxidase-Anti-Peroxidase (3837-3461) ......... $100.00
Sheep Peroxidase-Anti-Peroxidase (3837-3441) ....... $ 50.00

1978 CATALOG
NOW AVAILABLE

Specialists in Fluorescein, Rhodamine,
Ferritin, Peroxidase and Custom Conjugations
and of Conjugated F(ab')2, Fragments or
Fab Fragments of Antisera.

Cappel Laboratories, Inc.
COCHRANVILLE, PA. 19330 • (215) 593-6914
# For your research

**Sigma High Purity**

**ARABINO NUCLEIC ACID ANALOGS**

<table>
<thead>
<tr>
<th><strong>ARA-A</strong></th>
<th><strong>ARA-AMP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ADENINE-9-β-D-ARABINOFLURANOSIDE (Adenine Arabinoside)</td>
<td>ADENINE-9-β-D-ARABINOFLURANOSIDE 5'-MONOPHOSPHATE (Adenine Arabinoside 5'-Monophosphate)</td>
</tr>
<tr>
<td>A 5762 Free Base</td>
<td>A 5392 Free Acid</td>
</tr>
<tr>
<td>100 mg $ 4.90</td>
<td>1 mg $ 3.20</td>
</tr>
<tr>
<td>1 g 36.50</td>
<td>10 mg 17.50</td>
</tr>
<tr>
<td>5 g 148.00</td>
<td>100 mg 105.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ARA-ATP</strong></th>
<th><strong>ARA-CMP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ADENINE-9-β-D-ARABINOFLURANOSIDE 5'-TRIPHOSPHATE (Adenine Arabinoside 5'-Triphosphate)</td>
<td>CYTOSINE-1-β-D-ARABINOFLURANOSIDE 5'-MONOPHOSPHATE (Cytosine Arabinoside 5'-Monophosphate)</td>
</tr>
<tr>
<td>A 6642 Sodium</td>
<td>C 3514 Free Acid</td>
</tr>
<tr>
<td>1 mg $ 16.50</td>
<td>10 mg $ 3.75</td>
</tr>
<tr>
<td>5 mg 54.00</td>
<td>Crystalline 25 mg 6.50</td>
</tr>
<tr>
<td>25 mg 228.00</td>
<td>250 mg 28.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ARA-C</strong></th>
<th><strong>ARA-CTP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>CYTOSINE-1-β-D-ARABINOFLURANOSIDE (Cytosine Arabinoside; Arabinocytidine)</td>
<td>CYTOSINE-1-β-D-ARABINOFLURANOSIDE 5'-TRIPHOSPHATE (Cytosine Arabinoside 5'-Triphosphate)</td>
</tr>
<tr>
<td>C 2135 Free Base (pfs)</td>
<td>C 3639 Sodium</td>
</tr>
<tr>
<td>100 mg $ 2.90</td>
<td>2 mg $ 8.00</td>
</tr>
<tr>
<td>Crystalline 1 g 22.50</td>
<td>5 mg 14.00</td>
</tr>
<tr>
<td>10 g 175.00</td>
<td>25 mg 54.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ARA-U</strong></th>
<th><strong>ARA-CTP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>URACIL-1-β-D-ARABINOFLURANOSIDE (Uracil Arabinoside)</td>
<td>2,2'-ANHYDRO-1-(β-D-ARABINOFLURANOSYL) CYTOSINE (β-D-O-1,2'-Cyclocytidine)</td>
</tr>
<tr>
<td>U 8001 Free Base (pfs)</td>
<td>A 8268 Acetate (pfs)</td>
</tr>
<tr>
<td>10 mg $ 2.40</td>
<td>25 mg $ 3.70</td>
</tr>
<tr>
<td>Crystalline 50 mg 7.00</td>
<td>Contains approx. 0.5 Mol</td>
</tr>
<tr>
<td>250 mg 24.00</td>
<td>MeOH/Mol</td>
</tr>
</tbody>
</table>

| 2,2'-ANHYDRO-1-(β-D-ARABINOFLURANOSYL) URACIL (β-D-O-1,2'-Cyclocytidine) | 250 mg 16.50 |
| A 1761 Free Base | 250 g 45.00 |
| 100 mg $ 5.25 | Formerly Product C 2134 |
| Crystalline 1 g 28.50 | 1 g |
| 5 g 105.00 | 5 g 4.40 |

| 2,2'-ANHYDRO-1-(5'-0-TRITYL-β-D-ARABINOFLURANOSYL) URACIL (β-D-O-1,2'-Trityl) Cyclouridine) | 2,2'-ANHYDRO-1-(5'-0-TRITYL-β-D-ARABINOFLURANOSYL) URACIL |
| A 2011 Free Base | A 2011 Free Base |
| 10 mg $ 3.60 | 100 mg $ 20.00 |
| 25 mg $ 7.20 | 500 mg $ 60.00 |

---

**ORDER DIRECT**

**TELEPHONE COLLECT**

from ANYWHERE in the WORLD

For Orders: Station to Station, 314-771-5750
(Including Saturday and Sunday until 1 P.M.)

For any other reason: 314-771-5765

Most orders will be shipped within hours

TWX (Teletype) Day or Night

COLLECT 910-761-0593

TELEGRAM: SIGMACHEM, Saint Louis, Missouri

---

**It's a Pleasure Doing Business With Sigma!**

The Research Laboratories of

**SIGMA CHEMICAL COMPANY**

P.O. BOX 14508 - SAINT LOUIS, MISSOURI 63178 U.S.A.

MANUFACTURERS OF THE FINEST BIOCHEMICALS AVAILABLE

Distributed through:


Telephone: 01-549-3171 (Reverse Charges)

SIGMA Chemie GmbH MÜNCHEN * D-8014 Neubiberg, Isarstrasse 14, W. Germany

Telephone: 089/60 70 03 (Reverse Charges)
Phytohemagglutinin, 79-150
PHA is a partially purified extract that will agglutinate erythrocytes of all human blood types as well as those of rabbit, dog, cat, mouse, sheep and guinea pig. PHA also possesses the ability to initiate mitoses. Each lot is provided with erythroagglutination and mitogenic activity titers.

Peanut Agglutinin, 79-151
Peanut agglutinin agglutinates lymphocytes from mouse, rat, guinea pig, and man only after treatment with neuraminidase. Treatment with \(\beta\)-galactosidase reduces agglutination of neuraminidase-treated lymphocytes.

ALSO AVAILABLE:
A wide range of Lectins in free and agarose-immobilized forms and as FITC-derivatives:

- Concanavalin A and Con A Salts
- Fucose Binding Protein (from lotus seed)
- Soybean Agglutinin
- Wheat Germ Agglutinin
- Ferritin-Concanavalin A (for Electron microscopy)
- Lens Culinaris Hemagglutinin A
- Lens Culinaris Hemagglutinin B
- Ricinus Communis Agglutinin—60
- Ricinus Communis Agglutinin—120

More detailed descriptions of these products can be found in our new Biochemicals Catalog. If you don't have one, write the office nearest you for your free copy.
Transplantation is the journal that uses today's research to bring tomorrow into better focus

Researchers and clinicians who need to know what's going on in immunology have long looked to Transplantation to find out. In its pages can be found the vitally pertinent information you want as you look for answers to the critical problems of rejection, tissue matching, immunization, and infection.

Hematology, endocrinology, genetics, and embryology are just a few of the specialties in Transplantation's cross-disciplinary coverage. Each issue contains formal in-depth papers, as well as brief reports on research from around the world.

As a subscriber to Transplantation you can expect to find only the latest information; you will know you are getting the best news first.
Clinical Histocompatibility Testing, VOLUME 2
Edited by CHARLES B. CARPENTER, M.D.

Clinical Histocompatibility Testing, Volume II is the hardcover edition of the December 1977 issue (Volume IX, Number 4) of the quarterly journal Transplantation Proceedings, an official publication of the Transplantation Society.


A "TRANSPLANTATION PROCEEDINGS" REPRINT
1978, 224 pp., $22.75/£15.05
ISBN: 0-8089-1095-7

Clinical Histocompatibility Testing, VOLUME 1
Edited by CHARLES B. CARPENTER, M.D. and WILLIAM V. MILLER, M.D.

This volume contains the papers given at the second annual meeting of the American Association for Clinical Histocompatibility Testing, April 1976. The book encompasses a wide range of immunobiologic and clinical interests and reflects the dramatic expansion of work in definition of the clinical and biological role of the products of the human major histocompatibility complex (HLA). The in-depth presentations are grouped topically, and provide a uniquely concise review of current developments in HLA-A, B, C serology, HLA-D typing, B-cell (Ia) antigens, disease associations, clinical transplantation, blood component therapy, and paternity testing.

A CLOTHBOUND EDITION OF THE MARCH 1977 SUPPLEMENT TO "TRANSPLANTATION PROCEEDINGS"

Send payment with order and save postage plus 50c handling charge. Prices are subject to change without notice.

U.S. customers please note: On prepaid orders—payment will be refunded for titles on which shipment is not possible within 120 days.

GRUNE & STRATTON
A Subsidiary of Harcourt Brace Jovanovich, Publishers
111 FIFTH AVENUE, NEW YORK, N.Y. 10003
24-28 OVAL ROAD, LONDON NW1 7DX

Please send me the following:
___ copies, Carpenter: Clinical Histocompatibility Testing
___ Volume 2
___ Volume 1

Check enclosed______ Bill me______

NAME________________________________________

ADDRESS_____________________________________

CITY/STATE/ZIP___________________________

New York residents please add sales tax.

Direct all orders to Mr. Paul Negri, Media Dept.
Are you still using pen-strep in your growth media?...

...consider these facts:

### Effectiveness

<table>
<thead>
<tr>
<th>Effectiveness</th>
<th>GRS</th>
<th>Penicillin</th>
<th>Streptomycin</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td></td>
<td>75%</td>
<td>25%</td>
</tr>
<tr>
<td>75%</td>
<td></td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>50%</td>
<td></td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>25%</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

* Data from 45 published papers on comparative reagent usage on file at Schering.

### Stability

<table>
<thead>
<tr>
<th>Stability</th>
<th>GRS</th>
<th>Penicillin</th>
<th>Streptomycin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room Temp.</td>
<td></td>
<td>acid pH</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>alkali pH</td>
<td></td>
</tr>
<tr>
<td>Freeze</td>
<td></td>
<td>autoclaving</td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td></td>
<td>acid pH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>alkali pH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>autoclaving</td>
<td></td>
</tr>
</tbody>
</table>

* Non-toxic to cells at levels normally used in tissue culture work.

Add up the score yourself.

Gentamicin Reagent Solution, superior in **effectiveness** and **stability**, yet **nontoxic** to cells, tissues, viruses, and fungi.

Schering Corporation
Kenilworth, N.J. 07033
Attn: Institutional Sales

☐ Send me the following order:

- ____ bx. GRS 10 mg/ml
  (6 x 10 ml vials/bx) @ $36.00 bx.
- ____ vials GRS 50 mg/ml
  (10 ml vial) @ $28.50 ea.

Name
Institution
Street and No.
City State Zip
Purchase Order #
Signed
CURRENT TOPICS IN IMMUNOLOGY

Each volume in this outstanding series provides careful and complete coverage of the immunological approaches to its particular topic. This series clearly illustrates how modern immunological thought influences day-to-day practices in both the clinical laboratory and the on-going practice of medicine.

Volume 1: The Practice of Clinical Immunology  Thompson/1974/144 pages/illustrated/$16.50


Volume 4: Organ Grafts  Calne/1975/80 pages/illustrated/$11.95

Volume 5: Allergic Drug Reactions  Amos/1976/142 pages/illustrated/$17.00


Volume 7: Immunology of Rheumatic Diseases: Aspects of Autoimmunity  Maini/1977/138 pages/illustrated/$16.00

Williams & Wilkins
Dept. 192  P.O. Box 1496  Baltimore, Maryland 21203

Name
Address
City  State  Zip

☐ check enclosed  ☐ bill me

Please send me:
☐ Volume 1 (8177-2) $16.50
☐ Volume 2 (2244-X) $15.50
☐ Volume 3 (2593-7) $16.50
☐ Volume 4 (1390-4) $11.95
☐ Volume 5 (8999-0) $17.50
☐ Volume 7 (5433-3) $16.00

Save postage & handling by enclosing payment with order. Maryland residents please add 5% sales tax.

Prices subject to change without notice
All books sent on 20-day approval

Please send me:
☐ Volume 1 (8177-2) $16.50
☐ Volume 2 (2244-X) $15.50
☐ Volume 3 (2593-7) $16.50
☐ Volume 4 (1390-4) $11.95
☐ Volume 5 (8999-0) $17.50
☐ Volume 7 (5433-3) $16.00

Save postage & handling by enclosing payment with order. Maryland residents please add 5% sales tax.

Prices subject to change without notice
All books sent on 20-day approval