

# METRIZAMIDE

Metrizamide is a non-ionic compound for density gradient centrifugation experiments. It is inert and forms solutions which, while much denser than can be obtained with sucrose, have relatively low viscosity and osmolarity.

Metrizamide is non-toxic to cells. Metrizamide has proved most useful in the fractionation of nucleic acids, nucleoproteins, most subcellular particles and organelles as well as cells and viruses (Rickwood, D. & Birnie, G.D.:FEBS letters,50, 2(1975)102).

## Now available in two purification grades.

### 1 Metrizamide C Grade AN6400.

Centrifugation Grade with a lower price. The cost per gradient is similar to that of other high quality density gradient media.



### 2 Metrizamide A Grade AN6300.

Analytical Grade for experiments that require ultrapure material.



For further information contact:

## ACCURATE CHEMICAL & SCIENTIFIC CORPORATION

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

Other countries, contact:

NYEGAARD & CO. A. S, Post Office Box 4220, Oslo 4, Norway

The North American distributor for  
NYEGAARD

Samples and scientific literature available

Name \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_



JV

# **STANDARDIZED REAGENTS for MICROBIOLOGICAL and LABORATORY PROCEDURES**

**Dehydrated and Prepared Culture Media  
Tissue Culture Media, Sera & Reagents**

**Sensitivity Disks  
Carbohydrates  
Stains Dyes  
Antigens & Antisera  
Dispens-O-Disc**

**F A Reagents  
Peptones  
Hydrolysates  
Indicators  
Clinical Reagents  
Enrichments**

**Biochemicals  
Amino Acids  
Enzymes  
Serological Reagents  
Extracts**

## **DIFCO PRODUCTS ARE USED ROUTINELY WHEREVER MICROBIOLOGICAL PROCEDURES ARE PERFORMED**

**Hospital Clinical Laboratory—Microbiology, Tissue Culture,  
Serology. Public Health Laboratories—water, sewage, dairy and food products.  
Quality control of pharmaceutical, chemical and industrial  
products. Educational and Research programs in related sciences and technolog.**

**Difco Laboratory Products and Reagents are available through local  
laboratory supply dealers**

**DIFCO**  
LABORATORIES  
DETROIT MICHIGAN 48201 USA

# THE text for over twenty years!

Now in an expanded,  
revised, and updated  
edition—

## GENERAL VIROLOGY, 3rd Ed.

*S. E. Luria, Center for Cancer Research  
Massachusetts Institute of Technology*  
*James E. Darnell, Jr., Rockefeller University*  
*David Baltimore, Massachusetts Institute of  
Technology, & Allan Campbell, Stanford  
University*

Never before has a virology text been authored by such well-respected names, including Nobel Prize Winners, S. E. Luria and David Baltimore. This new edition presents viruses as organisms and reveals the breadth of nature working entirely through macromolecules. You'll find virus research that provides new insights into biochemistry and gene expression. A major expansion includes the relationship of viruses to specific diseases and cancer.

Special features you'll appreciate:

- An integrated view of virology
- Unity brought to the diversity of bacterial, mammalian, insect, and plant viruses
- Provision of necessary background in chemistry, molecular biology, and cell biology
- Up-to-date discussions of animal viruses
- An exceptional bibliography cross-indexed by author and page number

(0 471 55640-8) 1978 578 pp \$19.95

To be considered for a complimentary copy, write to Merrill Floyd, Dept 3472. Please include course name, enrollment, and title of present text.



**JOHN WILEY & SONS, Inc.**  
605 Third Avenue  
New York, NY 10016  
In Canada  
22 Worcester Road  
Rexdale, Ontario

Price subject to change without notice

A 3472-11

# TISSUE CULTURE TROUBLES?

## Check These E-C Aids!



### Collector<sup>®</sup> Tissue Sieves

For preparation of cell suspensions from organs. All-stainless autoclavable. Two sizes — 85 ml or 130 ml. Fine to coarse screen meshes.

Permanent Screen Model ... **\$20.00**

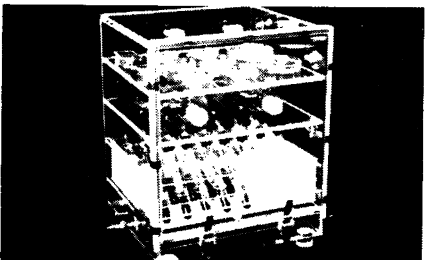
Replaceable Screen Model ... **25.00**



### Mouse Vise<sup>®</sup> Rodent Restrainer

For tail vein injection or bleeding. Does a mouse a minute. Strong easy-clean plastic. Stops nips, fumbles, chases.

**\$23.00**



### Seecubator<sup>®</sup> CO<sub>2</sub> Incubator.

Clear Plexiglas<sup>®</sup> cabinet. Lightweight, portable, versatile. Takes any culture vessel, fits any standard oven. Quick-clamp front panel seals instantly. Purge connection.

**\$295.00**

Write or call 813-344-1644 collect for data sheets, quantity prices.



**E-C Apparatus Corporation**  
3831 Tyrone Blvd. N.  
St. Petersburg, Florida 33709

# You Can't Afford Bacterial Contamination in your cell cultures



Protect them with GRS

- **Broad Antibacterial Spectrum**

—Broader than pen/strep combined

- **Protection Against Mycoplasmas**

—Protects against 29 strains of mycoplasmas

- **Extraordinary Stability**

—Completely stable for long periods under cell culture conditions  
—*Can actually be autoclaved!*

- **Lack of Cytotoxicity**

—Minimal effect on most cell lines at bactericidal levels

- **Cost Effective**

—Protection for less than 6¢ per T75 flask (20 ml with GRS at 50mcg/ml)

Get the protection you need,  
without unnecessary risk to your valuable  
cell cultures with:

## **GRS** Gentamicin

10mg/ml and 50mg/ml vials  
the antibiotic of choice for cell culture

Sterile, ready to use solution  
GRS 10 mg/ml (6 X 10 ml vials/bx) \$36.00/bx  
GRS 50 mg/ml (10 ml vial) \$28.50/vial

Order from  
Schering Corporation  
Kenilworth, N.J. 07033  
Attn: Institutional Sales  
Tel: 201-931-3012

*Note:* A complete discussion of the above claims will be found in our monograph: "GRS in Cell Culture." Send for your free copy.