

# The N. I. L.—Joyce Chromoscan

The Universal Laboratory Integrating Photometer

for the automatic recording and integration of patterns on solid media, samples in solution, effluents of chromatographic columns, and the records of analytical instruments

ELECTROPHORESIS:

PAPER-STARCH-AGAR-CELLULOSE ACETATE

CHROMATOGRAPHY: THIN LAYER-SPOT TESTS

ENZYME STUDIES-KINETIC REACTIONS

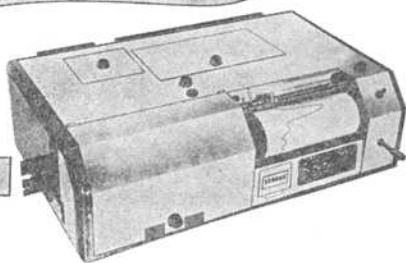
ULTRACENTRIFUGE PATTERNS

U.V. ABSORPTION-DISC ELECTROPHORESIS

X-RAY POWDER DIAGRAMS-FLUORESCENCE

SPECTROPHOTOMETRY-IODINE ASSAYS

COLORIMETRY



## UNIQUE CHROMOSCAN FEATURES

1. Double-beam optical system for stability and reproducibility.
2. Standard instrument includes both transmission and reflection systems.
3. Record may be expanded from 1:1 to 2:1, 4:1, and 8:1 ratios.
4. Pattern may be viewed before and during scanning.
5. External light source assembly.
6. Interchangeable slits and apertures from 0.01 to 3 mm.
7. Six-digit automatic readout integrator without baseline error and with 20-fold more accuracy than pen integrator.
8. Holders accommodate wide filter range.
9. Special cams available to correct non-linearities between protein concentration and dye take-up, dye intensity and deflection.

Major accessories including U.V. light source, external recorder for continuous monitoring, fluorescence attachment, and Roboscan 15-cell turret with timing control for enzyme studies.



**National Instrument Laboratories, Inc.**

12300 Parklawn Drive, Rockville, Maryland

In Metropolitan Washington, D. C. Area

Phone: 933-1144—Area Code 301

Bulletin 264

## THE JOURNAL OF IMMUNOLOGY

### Information for Subscribers

Published monthly, beginning January, 1929. (From 1916-1925, and in 1928 Volumes I-X, inclusive, and Vol. XV published bi-monthly.)

The subscription price is \$28.00 per year in U.S.A.; \$28.75 in Canada; \$29.50 elsewhere. Single copies, when available, are \$2.75 in U.S.A.; \$3.00 elsewhere. The subscriptions of members of the American Association of Immunologists are included in the membership dues and are handled by the Association's Treasurer, Dr. Sheldon Dray, Laboratory of Immunology, National Institute of Allergy and Infectious Diseases, National Institute of Health, Bethesda, Md. 20014. All other subscriptions should be sent to the publishers.

*Change of address:* Publisher must be notified 60 days in advance. Journals undeliverable because of incorrect address will be destroyed. Duplicates can be obtained (if available) from the publisher at the regular price of single issues.

*New subscriptions and renewals* are entered to begin with the first volume of the year when subscription is received. Should any issue of the current volume be out of print at the time the subscription order is received, the pro-rata value of such numbers will be refunded to the subscriber.

*Subscriptions should be renewed promptly:* To avoid a break in your series, subscriptions should be renewed promptly. The publishers cannot guarantee to supply back issues on belated renewals.

*Correspondence concerning all business matters* should be addressed to

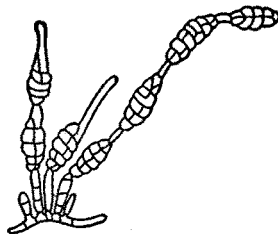
**THE WILLIAMS & WILKINS COMPANY**

*Publishers of Scientific Books and Periodicals*  
BALTIMORE 2, MARYLAND, U. S. A.

# DIFCO

*Media for*

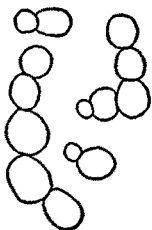
## MYCOLOGY



### DIAGNOSTIC

... for the isolation, identification and cultivation of pathogenic fungi. These media are also widely used in phytopathological studies. Several are neutral in reaction, giving optimum conditions for growth of a variety of fungi. The following may be prepared as selective media by the adjustment of reaction, addition of antibiotics or other agents:

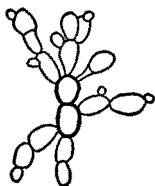
Bacto-Brain Heart Infusion Agar	Bacto-Mycological Agar
Bacto-Sabouraud Dextrose Agar	Bacto-Mycological Broth
Bacto-Sabouraud Maltose Agar	Bacto-Corn Meal Agar
Bacto-Littman Oxgall Agar	Bacto-Corn Meal Agar with Dextrose
Bacto-Bean Pod Agar	Bacto-Prune Agar
	Bacto-Lima Bean Agar



### CONTROL

... for sanitary and sterility procedures as well as for general use in mycological procedures:

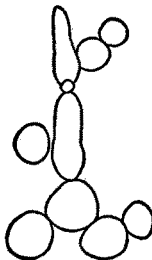
Bacto-Sabouraud Maltose Broth	Bacto-Neurospora Culture Agar
Bacto-Sabouraud Liquid Medium	Bacto-Potato Dextrose Agar
Bacto-Malt Extract	Bacto-Mildew Test Medium
Bacto-Malt Agar	Bacto-W.L. Nutrient Medium
	Bacto-W.L. Differential Medium



### CLASSIFICATION

... and nutritional studies of fungi:

Bacto-Yeast Morphology Agar	Bacto-Czapek Dox Broth
Bacto-Yeast Carbon Base	Bacto-Czapek Solution Agar
Bacto-Yeast Nitrogen Base	Bacto-Vitamin Free Yeast Base



*THE DIFCO MANUAL, NINTH EDITION,  
including descriptions of these media and their use,  
is available on request.*

## DIFCO LABORATORIES

DETROIT 1, MICHIGAN