

Quarterly Journal of Microscopical Science

JOINT EDITORS

C. F. A. PANTIN, Sc.D., F.R.S.

JOHN R. BAKER, D.Sc., F.R.S.

VOLUME 99. Third Series

Published for the Company of Biologists Limited

OXFORD: AT THE CLARENDON PRESS

1958

BAKER



The INTERFERENCE MICROSCOPE

—the most important advance
in microscopy
of recent years

Full particulars on request

C. BAKER of Holborn LTD.

METRON WORKS • PURLEY WAY • CROYDON • SURREY
CROYDON 3845-6-7-8

MICHROME STAINS

AND REAGENTS FOR MICROSCOPY, BIOLOGY,
HISTOCHEMISTRY, ETC.

Adenosine
Adenylic acids
Azur, A, B, & C
Brilliant Cresyl Blue
Bromophenol Red
Carmine Acid
Celloldin
Cytase

Diazonium Salts
Evans Blue
Giemsa Stain
Haematoxylin
Indophenol
Ismine (Pyrrol) Blue
Janus Green
Lacmoid

Lipase
Luxol Fast Blue
Mannite, Bact
Methyl Green
Peptones
Proteinase
Pyronins
Ribonuclease

Rosolic Acid
Sodium α-Naphthyl
Phosphate
Sudan Black
Toluidine Blue
Trypsin
Urease
Wright's Stain, Etc.

AQUAMOUNT: Synthetic, neutral, moderately quick-drying aqueous mountant

OPTOIL: synthetic, non-sticky immersion oil

CRISTALITE & CLEARMOUNT: synthetic, colourless, neutral mountants

62-page Price List available on request

EDWARD GURR LTD.

42 UPPER RICHMOND ROAD WEST, LONDON, S.W. 14

Cables: Micromlabs, London

Telephone: Prospect 8051 and 7606

UNIFORM HIGH QUALITY, SERVICE, RELIABILITY and IMMEDIATE DELIVERY

Now ready:

Microscopic Staining Techniques. By Edward Gurr

No. 4. 66 pages, price 6s. (\$1.00 in U.S.A.) No. 3. 2nd edition, 1958
66 pages, price 6s. (\$1.00 in U.S.A.)

Methods of Analytical Histology and Histochemistry

By Edward Gurr. 335 pages, Royal 8vo, price 70s.

Volume 99. Part 4

CONTENTS

Wigglesworth, V. B. The Distribution of Esterase in the Nervous System and other Tissues of the Insect <i>Rhodnius prolixus</i>	441
Steedman, H. F. Dimethyl Hydantoin Formaldehyde: A new Water-soluble Resin for Use as a Mounting Medium	451
Clayton, B.-P. Unmasking of Sudanophil Lipid in the Testis of the House-cricket, <i>Acheta domesticus</i>	453
Baker, J. R. Note on the Use of Bromophenol Blue for the Histochemical Recognition of Protein	459
Grant, J. H. The Uptake of Intravital Dyes by the Testis <i>some refs for phagocytosis</i>	461
George, J. C., and Scaria, K. S. A Histochemical Study of Dehydrogenase Activity in the Pectoralis Major Muscle of the Pigeon and certain other Vertebrate Skeletal Muscles	469
Nath, V., Gupta, B. L., and Manocha, S. L. Histochemical and Morphological Studies of Lipids in the Oogenesis of <i>Pheretima posthuma</i>	475
Menzies, G. Observations on the Developmental Cytology of the Fundic Region of the Rabbit's Stomach, with Particular Reference to the Peptic Cells	485
Austin, A. P., Crisp, D. J., and Patil, A. M. The Chromosome Numbers of certain Barnacles in British Waters	497
Clark, R. B. The 'Posterior Lobes' of <i>Nephtys</i> : Observations on three New England Species	505
Grégoire, Ch. The Cultivation in the Living Organism of the Thymus Epithelium of the Guinea-Pig and Rat	511
Dutta, G. P. The Cytoplasmic Inclusions of <i>Nyctotherus macropharyngeus</i> : Histochemical Studies	517
Grimstone, A. V., Horne, R. W., Pantin, C. F. A., and Robson, E. A. The Fine Structure of the Mesenteries of the Sea-Anemone <i>Metridium senile</i>	523

NOTICE TO CONTRIBUTORS inside front cover

The Quarterly Journal of Microscopical Science

The subscription for Vol. 99 is £4. 4s. 0d. for the four numbers; for this sum (prepaid) the Journal is sent post free to any part of the world. Separate numbers and back numbers which remain in print can be obtained at 30s. net each from

OXFORD UNIVERSITY PRESS, LONDON, E.C.4

Back numbers of the Second Series, Vols. 65-87, may be obtained from
The Secretary, The Company of Biologists Ltd.
Zoological Laboratory, Downing Street, Cambridge, England