

Announcing a third volume in the highly-acclaimed series

# Handbook of Inflammation

series editors: L. E. Glynn, J. C. Houck and G. Weissmann

## Volume 3 Tissue Repair and Regeneration

edited by L. E. Glynn

This work, the third in an informative and well-received series is concerned exclusively with the processes of repair by which losses of tissue from whatever cause are made good. The book gives a very full and detailed description of all aspects of the repair process from the clearance of the site to the maturation of the scar. Special attention is focussed on those factors influencing the balance between regeneration and repair and between atrophy and hypertrophy. Providing an extensive and up-to-date bibliography with full titles, this volume will be of the greatest interest to pathologists and clinicians working within this area.

**CONTENTS:** Series preface. Introduction to volume 3. List of contributors. **Chapter 1. The fibroblast** (G. Gabbiani and E. Rungger-Brandle). **Chapter 2. Biosynthesis and degradation of collagen**

(V. C. Duanca and A. J. Bailey). **Chapter 3. The proteoglycans of cartilage and the intervertebral disc in ageing and osteoarthritis** (C. A. McDevitt). **Chapter 4. Mechanisms of clearing injured tissue** (H. K. Muller). **Chapter 5. Autacoid regulation of wound healing** (C. W. Castor). **Chapter 6. Nutrition and wound healing** (G. H. Boume). **Chapter 7. Hypertrophy versus atrophy; Regeneration versus repair** (H. Roels). **Chapter 8. The pathology of scar tissue formation** (L. E. Glynn). **Chapter 9. The healing and non-healing of wounds and ulcers of the skin** (R. Marks). **Chapter 10. The healing of bone and articular cartilage** (P. D. Byers, J. C. Gray, A. G. S. A. Mostafa and S. Y. Ali). **Chapter 11. Regeneration in the central nervous system** (F. Scaravilli and L. W. Duchon). **Chapter 12. Pulmonary repair and fibrosis** (A. G. Heppleston). **Chapter 13.**

**Fibrosis in the heart** (E. F. McKeown). **Chapter 14. Regeneration and repair in the kidney** (D. J. Davies and G. B. Ryan). **Subject index.**

1981 xiv + 574 pages  
Price: US \$136.50 / Dfl. 280.00  
ISBN 0-444-80278-9

Previous volumes in the series:

### Volume 2: The Cell Biology of Inflammation

edited by G. Weissmann  
US \$112.25 / Dfl. 230.00  
ISBN 0-444-80141-3

### Volume 1: Chemical Messengers of the Inflammatory Process

edited by J. C. Houck  
US \$75.00 / Dfl. 154.00  
ISBN 0-444-80121-9

**ELSEVIER/NORTH-HOLLAND**  
**BIOMEDICAL PRESS**

P.O. Box 211, Amsterdam, The Netherlands

Distributor in the U.S.A. and Canada:  
ELSEVIER NORTH-HOLLAND, INC., 52 Vanderbilt Ave., New York, NY 10017

The Dutch guilders price is definitive. US \$ prices are subject to exchange rate fluctuations.

## Radionuclide Tracer Techniques in Haematology

C S Bowring

Order today from your  
bookseller, or in case  
of difficulty from



**Butterworths**

Borough Green, Sevenoaks,  
Kent, TN15 8PH, England.

Dr. Bowring's book will fill the need for a concise guide to the diagnostic uses of radionuclides in haematology. It deals with all the commonly used *in vivo* techniques, taking care throughout to provide practical information on their application. Those areas of haematology in which radionuclides are still developing are well covered, and for the reader with limited experience of nuclear medicine techniques there are two introductory chapters on basic physics and instrumentation.

**Contents:** Basic physics of radionuclides • Instrumentation • The measurement of red cell and plasma volume • Cell survival studies • Ferrokinetics • External counting • Imaging and applications of quantitative imaging • Absorption, loss and clearance studies • Appendices • Index

1981 148 pages 0 407 00183 2 £8.50

INTRODUCING  
A NEW

## <sup>125</sup>I ACTH RIA

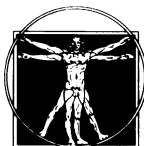
... A CONVENIENT ADRENOCORTICOTROPIC HORMONE  
RADIOIMMUNOASSAY WITH SUPERB SENSITIVITY

Immuno Nuclear Corporation, a leader in the development and manufacturing of refined clinical RIA's, now offers a simple, yet sensitive, ACTH RIA kit - a 24 hour equilibrium RIA that requires no extraction.

In the clinical laboratory, the ACTH RIA is used to help identify several adrenal and pituitary diseases, including adrenal and pituitary insufficiency. It also helps define various types of Cushing syndrome or adrenocortical excess.

ACTH holds great promise as a tumor marker. Certain types of cancers of neural crest origin

are known to secrete substances that cross react with ACTH, and continued investigation is necessary to determine the total significance of this hormone.



Immuno Nuclear's ACTH RIA is based upon years of reference laboratory experience, and we provide clinical data to aid in the interpretation of assay results.

Compare the features of  
Immuno Nuclear's ACTH RIA:

- Excellent assay sensitivity of 2 picograms (20 pg/ml)
- An antibody affinity constant of  $4.5 \times 10^{10}$  litres/mole
- Standardized against the World Health Organization preparation 74/555
- Pre-precipitated double antibody complex - only one addition step
- The tracer and sample are added at the same time
- Plasma controls are included to ensure assay reliability
- Low nonspecific binding

- No cross reactivity with other hormones
- At least a four week shelf life for convenience and economy

# INC

**IMMUNO  
NUCLEAR  
CORPORATION**

For more information write or  
call Sole Distributors in the U.K.

## RIA (UK)

3 Manor Place, Athenaeum Street, Sunderland SR1 1QX. Tel: 0783 51307  
Telex: 53440 Chamco G RIA (UK)

RADIO IMMUNOASSAY SPECIALISTS