

Methods in Enzymology

Volume 76

Hemoglobins

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1981



ACADEMIC PRESS

A Subsidiary of Harcourt Brace Jovanovich, Publishers

New York London Toronto Sydney San Francisco

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ACADEMIC PRESS, INC.

111 Fifth Avenue, New York, New York 10003

United Kingdom Edition published by

ACADEMIC PRESS, INC. (LONDON) LTD.

24/28 Oval Road, London NW1 7DX

Library of Congress Cataloging in Publication Data
Main entry under title:

Hemoglobins.

(Methods in enzymology; v. 76)

Bibliography: p.

Includes index.

1. Hemoglobin. I. Antonini, Eraldo. II. Rossi-Bernardi, Luigi. III. Chiancone, Emilia. IV. Series.

[DNLM: 1. Hemoglobins--Analysis. 2. Hemoglobins, Abnormal--Analysis. W1 ME9615K v. 76 / WH 190 H489]

QP601.M49 vol. 76 [QP96.5] 574.19'25s [591.1'13]

ISBN 0-12-181976-0

81-12808

AACR2

PRINTED IN THE UNITED STATES OF AMERICA

81 82 83 84 9 8 7 6 5 4 3 2 1

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Preface

The aim of this volume of *Methods in Enzymology* is to provide a compact collection of methods that are most widely used in hemoglobin research. Hemoglobin is the prototype of a functional protein. Fundamental aspects of the relationships between structure and function of proteins have been elucidated by studies on hemoglobin. Also, many of the methods applied to its study are widely employed in protein and enzyme chemistry. These considerations and the important role played by hemoglobin and myoglobin in biochemistry, physiology, pathology, and clinical medicine should make this volume of value to researchers in many disciplines.

The Editors have encouraged the contributors to address methodological and technical subjects specifically pertaining to hemoglobin research. The general approach has been to stress recently developed methods and to omit those of mainly historical interest. Readers interested in the historical aspects of hemoglobin methodology may enjoy reading the Appendix "On Methods" in Barcroft: "The Respiratory Function of Blood" (Cambridge University Press, 1914) and the part devoted to hemoglobin in Peters and Van Slyke: "Quantitative Clinical Chemistry" (London, Baillière, Tindall and Cox, 1931).

The Editors wish to thank the contributors for their cooperation and the staff of Academic Press for their assistance and help. Special thanks are also due the Editors-in-Chief of *Methods in Enzymology* for having suggested and encouraged the preparation of this volume.

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- II. Preparation and Assay of Enzymes
- III. Preparation and Assay of Substrates
- IV. Special Techniques for the Enzymologist
- V. Preparation and Assay of Enzymes
- VI. Preparation and Assay of Enzymes (*Continued*)
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