

Preface

Since the publication of the previous two volumes of "Methods in Enzymology" dealing with nucleic acids, this field of research has seen continued and rapid development. In order to maintain a comprehensive coverage of pertinent methodology for workers in the biological sciences, this compilation is extended in the form of two additional volumes: "Nucleic Acids and Protein Synthesis," Volume 20, Part C, and "Nucleic Acids," Volume 21, Part D.

Part D deals with the resolution of nucleic acids and their involvement in repair, restriction, recombination, and replication. Portions of this volume deal with the transcription control of DNA by repressors and initiators as well as the methods currently employed for specific localization genes at the molecular and biological levels of enzyme investigation.

We wish to express our appreciation to the numerous authors who contributed so ably and generously and to the very capable staff of Academic Press for their valuable assistance and cooperation.

We dedicate this volume to Drs. Maurice R. Atkinson and Daniel F. Bradley.

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