
Preface

Since the beginning of the “DNA era” with the discovery of DNA structure by Watson and Crick about 50 years ago, the field of DNA replication has expanded to cover a large number of experimental systems, and a vast number of publications have described the DNA replication process. Covering all the techniques and experimental systems in a book is not possible. We have tried to present a collection of techniques representative of different approaches used to investigate DNA replication, with an emphasis on recent technological developments. In total, 36 chapters written by 70 authors have been included. The chapters are organized into several groups for clarity; however, this by no means limits their use in other ways. There are chapters which contain several technical approaches to address a question; these are assigned to a group by one of these approaches. Also, there are five review chapters that are considered primers to the field of DNA replication.

The method chapters aim to provide enough detail to enable a researcher new to the field to carry out the technique. Many methods rely on basic molecular biology equipment, and can be set up easily.

As such, the method collection presented is intended as a tool both for established laboratories and for individuals who would like to enter this exciting research field.

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DNA Replication

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