



PCR

Second Edition

The polymerase chain reaction (PCR) remains one of the most important tools of molecular biology. This book describes both the theory behind PCR and the practical techniques and applications in biology and medicine. Topics covered in this new, updated edition include:

- Key issues in setting up a PCR
- Instrumentation, primers, enzymes, reagents and consumables
- Methods avoiding cross-over contamination and maximizing reaction specificity
- Cloning, modification and joining PCR products
- PCR mutagenesis
- Sequence determination
- Genome mapping applications
- Genotyping
- Mutation analysis
- Pathogen detection
- Quantitative PCR

PCR will be invaluable to the student, technician, or researcher whose work involves nucleic acid amplification.

About the authors: Clive Newton and Alex Graham both work at ZENECA Pharmaceuticals, Macclesfield, UK and collaborated in 1994 to produce the highly successful first edition of this book.

