Calculations for Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory

Frank H. Stephenson
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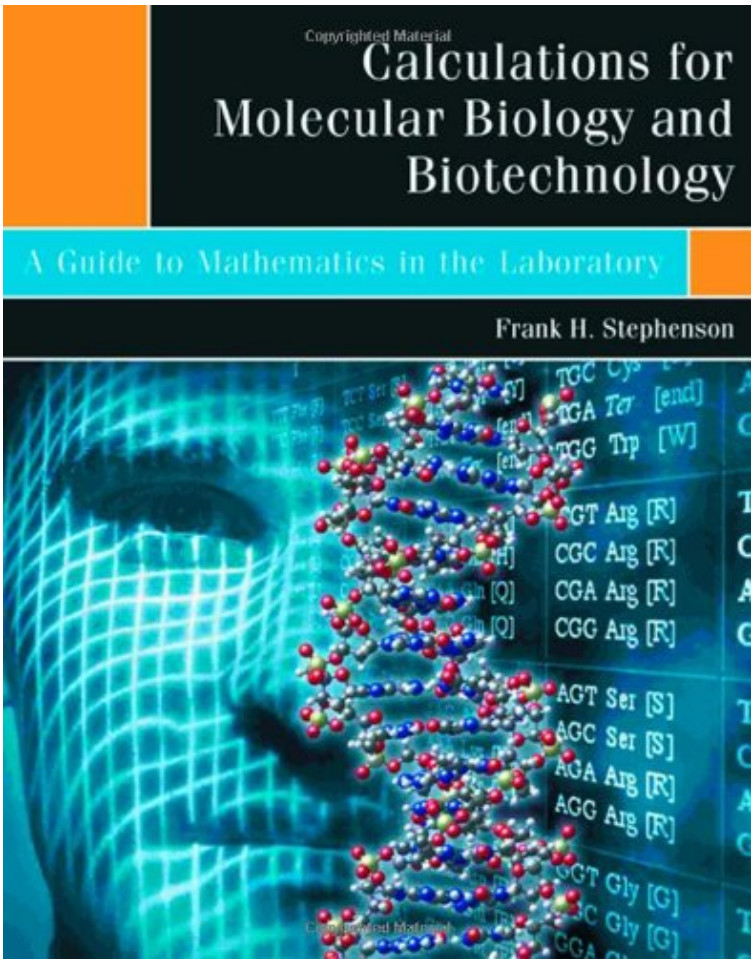

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Frank H. Stephenson : Calculations for Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory before purchasing it in order to gage whether or not it would be worth my time, and all praised Calculations for Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory:

0 of 0 people found the following review helpful. You need this!By Cyclist03Outstanding book! I was a former cell molecular biologist by training, and I wished I had this book when I was working in the lab. This is a true calculation book for those who are doing research utilizing molecular biology as a tool. Every technician, graduate or undergraduate, postdoctorate fellows should own one of these.2 of 2 people found the following review helpful. Good for beginnersBy RSI got myself this book by reading reviews. I should admit that it did have real good stuff for

beginners although I did not find what I wanted. I was looking more of teaching how to do math when it comes to compound dilution from a stock concentration to a final concentration. Example, stockin mM to fianl of uM or nM in a well (96 well). I wanted to learn how to claculate the working concentration etc. How much volume to add and how to maintain the same concentration of DMSO till the end and stuffs like that. I wanted to learn some basics of qPCR calculation.0 of 0 people found the following review helpful. A must have for Chemical solution Preparation.By emporiaVery helpful w/making sure my chemical dilutions are accurate.

Calculations in Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory is the first comprehensive guide devoted exclusively to calculations encountered in the genetic engineering laboratory. Mathematics, as a vital component of the successful design and interpretation of basic research, is used daily in laboratory work. This guide, written for students, technicians, and scientists, provides example calculations for the most frequently confronted problems encountered in gene discovery and analysis. The text and sample calculations are written in an easy-to-follow format. It is the perfect laboratory companion for anyone working in DNA manipulation and analysis. *A comprehensive guide to calculations for a wide variety of problems encountered in the basic research laboratory.* Example calculations are worked through from start to finish in easy-to-follow steps* Key chapters devoted to calculations encountered when working with bacteria, phage, PCR, radioisotopes, recombinant DNA, centrifugation, oligonucleotides, protein, and forensic science.*Written for students and laboratory technicians but a useful reference for the more experienced researcher.*A valuable teaching resource.

About the AuthorFrank Stephenson received his doctorate in molecular biology from UC Berkeley and has published several books in the field including 'DNA: How the Biotech Revolution is Changing the Way We Fight Disease' and 'A Hands-On Introduction to Forensic Science: Cracking the Case'. He is currently an instructor in the Technical Training Department with ThermoFisher Scientific, the worlds leading manufacturer of instrumentation and reagents for the biotechnology industry.Excerpt. Reprinted by permission. All rights reserved.The first comprehensive guide devoted exclusively to calculations for the genetic engineering laboratory.