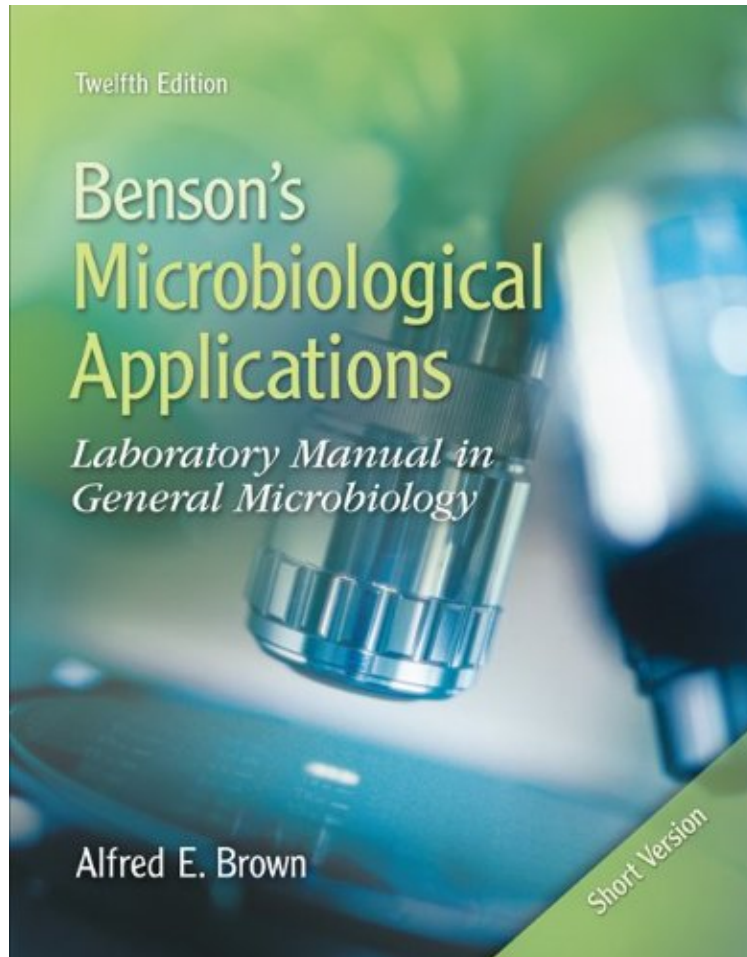


# Benson's Microbiological Applications: Laboratory Manual in General Microbiology

Alfred Brown

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**Alfred Brown : Benson's Microbiological Applications: Laboratory Manual in General Microbiology** before purchasing it in order to gage whether or not it would be worth my time, and all praised Benson's Microbiological Applications: Laboratory Manual in General Microbiology:

2 of 2 people found the following review helpful. Very nice lab manualBy Shane B.I used this in my Microbiology Lab in University. The material is very clearly written and easy to understand! It was a summer course with two 4-hour labs a week. My professor would occasionally change the procedures slightly, but not because of any real problems with the text. It was usually a limitation based on the availability of organisms for class use, or to make the organization of organism use appropriate for different lab groups.It's a great text that gives basic information, and has other chapters introducing more complicated Medical Microbiology topics.I would recommend this lab manual for students interested in supplementing their understanding of Microbiology with actual laboratory methods, or for

professors looking for an easily comprehensible manual to teach their students anything from the basics of Microbiology to the more complicated Medical applications of the field! I hope this review helps! Below are SOME topics in the book from basic to beyond: \*Introductions to methods of microscopy \*introductions to organisms, types, classifications and attributes (cocci, bacilli, etc) \*Observation for preference for growth (temperatures, oxygen levels, salt contents, etc) \*Stain techniques (gram, spore, negative, simple, acid-fast, etc) \*Look at different kinds of agars, and learn about selective, differential, enriched, etc \*Learning about Coliforms in water and product industry such as meat production, and learning about E. coli and Enterobacter \*Applications and observations of sanitizing solutions and antibiotics \*Medical Micro-Staphylococcus and Streptococcus, isolating the organisms from our own/our partners' bodies \*Techniques for reacting organisms with solutions for an outcome (using Kovak's reagent, Hydrogen Peroxide with S. aureus, etc) \*Final lab projects to determine unknown organisms from Professor's stock solutions. Using knowledge and lessons from previous labs to observe qualities of organisms. Able to look at temperatures, oxygen requirements, reactions with chemicals, and qualitative features from Microscopy to agar plate qualities

0 of 0 people found the following review helpful. Three Stars  
By rachbick needed it for a class. 0 of 0 people found the following review helpful. Disgusted Where Are The Pages  
By Tee If I could say 0 I would my grade is affected by this. Not happy at all with this book. There are several pages missing at least 4 entire exercises missing that I was not able to complete.

Benson's Microbiological Applications has been the gold standard of microbiology laboratory manuals for over 30 years. The 59 self-contained, clearly-illustrated exercises, and four-color format makes Microbiological Applications: Laboratory Manual in General Microbiology, the ideal lab manual. Appropriate for either a majors or non-majors lab course, this lab manual assumes no prior organic chemistry course has been taken.