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Microbiology: A Laboratory Manual (10th Edition)



Synopsis

Versatile, comprehensive, and clearly written, this competitively priced laboratory manual can be used with any undergraduate microbiology text and now features brief clinical applications for each experiment, and a new experiment on hand washing. Microbiology: A Laboratory Manual is known for its thorough coverage, descriptive and straightforward procedures, and minimal equipment requirements. A broad range of experiments helps to convey basic principles and techniques. Each experiment includes an overview, an in-depth discussion of the principle involved, easy-to-follow procedures, and lab reports with review and critical thinking questions. Ample introductory material and laboratory safety instructions are provided.

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Customer Reviews

Bought this for my Micro class. The International Edition was definitely worth the investment if your instructor doesn't care which edition you use. I paid something like \$25 for the international edition, as opposed to the \$110+ price for buying the domestic(?) version from the school bookstore. The first few experiments were numbered differently and I had to go off of the title of the experiment rather than the number, but once I get to experiment 6 or 9 they start to lineup. The only downside is the textbook is black and white so it's pretty much useless when looking at pictures, especially when conducting selective / differential media experiments when color of colony growth / media plays an important role. No big deal though. Just read the text and conduct your experiment and you'll know if you did it right or not. I 'love it' because I saved myself a boat-load of money.

We have used this for several years. Pros: A very thorough labbook with nice diagrams and illustrations. Teachers can pick and choose from a wide range of topics. A perforated edge combined with 3 whole punches makes it easy for students to hand in their results but store them as well when they get them back. Cons: More than a few procedures had to be modified (Yeast won't grow in TSB at any pH, the environmental sampling method as described didn't work.) I found the small preparation manual for teachers with very little helpful information. (It is supply lists and question answers mostly. No expected results or any substitutions recommended if you didn't have a culture.) I would have preferred a teachers version of the labbook with annotations. I made a full letter of comments and questions and sent them off to the publisher (I was never able to track down direct author contacts) hoping for a reply or at least to see some changes in future additions. No response. I'm happy to pass on a copy to anyone so they don't stumble on the same parts I did.

I saved a fortune by buying this older version of the current 9th ed. It's the same thing but just not updated a few less chapters. So far, it has served its purpose.

I ordered it relatively late as the semester began. It came quickly and was exactly what I needed in wonderful condition. I found it for a few dollars cheaper elsewhere, but I decided to spend the extra 8\$ and have peace of mind that it would come in time and be the correct item, because is awesome like that! Definitely well worth it, and the labs themselves are fun and well explained

As a scientist, I suffer from the annoying tendency to stress over every tiny little mistake, especially when they occur in textbooks. There were a number of inaccuracies in the textbook that is counterpart to this lab manual. That said, the labs outlined in the manual were generally very enjoyable and student-friendly. The processes behind the experiments were present, though rudimentary at best. There is little correlation between the chapters in the textbook and the experiments in the lab manual, making it easy to use the manual on its own. I would use this item again but would look for a different textbook.

This book is very clear and straight-forward. If you read the text ahead of time, you will clearly understand the procedures and theoretical context for your lab class. It clearly is a beginner's manual, though, so it does not go terribly in depth into the molecular biochemistry of the experiments, which for many people will be a good thing, but not for those who want to learn everything about everything.

I used this book from front to back of the cover. It is well made and well organized. My only complaint would be that it should have more pictures of the cultures. Especially of after each reactant is added (some chapters are better than others). Also lab preparation procedures and the procedures of the experiment could be more visual. Note: My teacher made ALOT of adjustments to the procedures. Also without the prelab handy it is excruciating to try and use the reports to study. There is not enough content to the reports, unless you right it in (there is not much room).

The delivery was done on time. The book is the one I required and it is a good microbiology manual, as I expected. I did not know that the pages of the book are kept together by a metal spiral, which is not the best of solutions.

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