

PRACTICAL MICROBIOLOGY

A Laboratory Manual This Manual deals with techniques involved in basic and applied microbiology which are useful for Undergraduate and Postgraduate students of life science disciplines. It comprises of 47 experiments and 10 appendices and is designed to give the student "hands-on" laboratory experience. The intention is to provide students with an organized, user-friendly tool to enable them to understand laboratory aspects of microbiology and lab queries. The exercises have been standardized in the laboratory and are made easy so that the students can follow the protocols independently which are self-explanatory. Every exercise contains the theoretical explanation behind the experiment and also has questions and answers relating to the experiment.

The exercises comprise of laboratory safety, handling and operation of various laboratory instruments, microscopy, preparation of various media, isolation, enumeration and identification of various microbes, staining, antibiotic assays and basic molecular techniques using microbes. Each exercise begins with a detailed introduction and principle followed by a detailed step-by-step procedure. The interpretation section of each exercise is where the student records important results and conclusions that will enable him or her to prepare for the practicals. Finally, each lab experiment ends with a set of exercise with answers to prepare the student for lab queries.

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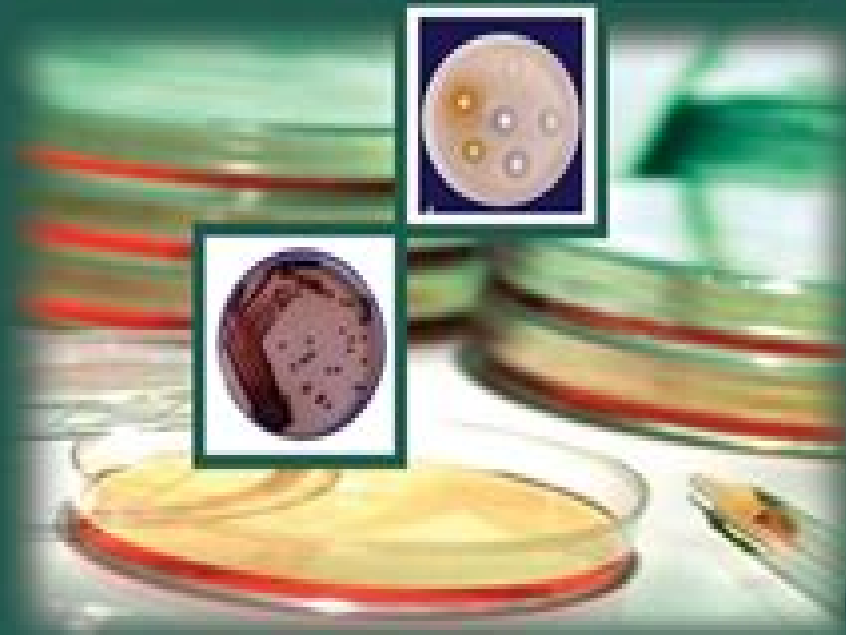
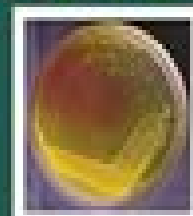
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PRACTICAL MICROBIOLOGY

A Laboratory Manual



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Laboratory Manual Of Dairy Microbiology

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