

## Laboratory Manual of Microbiology



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### Blurb

This laboratory manual of microbiology has been written to meet the needs of students taking microbiology as major or subsidiary subject. The intention is to provide the students with well organized, user-friendly tool to better enable them to understand laboratory aspects of microbiology as well as to hopefully make learning laboratory material and preparing for independent player of a given experiment. Each exercise provides step-by-step procedure to complete the assignment successfully and easily. The lab exercises are designed to give the student hands-on laboratory experience to better reinforce certain topics discussed in exercise. The glossary is included covering terms as well as basic, discipline-specific terminology from microbiology that will be helpful to its readers. The main contents of the manual are: Microbiology laboratory practices and safety rules, Basic laboratory techniques, Microscopy, Staining and motility techniques, Environmental microbiology, Microbiological culture techniques, Growth of lactose fermenting and non fermenting microbes, Medical microbiology, Environmental effect on bacterial growth, Application of microbiology, Microbiology of milk and Appendices. The academic level of the book is graduate, post graduate students, research workers, teachers and scientists dealing with basic and applied aspects of microbiology.

### Table of Contents

#### Exercises

1 Microbiology laboratory practices and safety rules

#### I BASIC LABORATORY TECHNIQUES

2. Media preparation

2.1. Sub culturing or picking off:

2.2. Broth cultures

3. Sterilization and disinfection

4. Inoculation and other aseptic procedures

4.1. Using a wire loop

4.2. Flaming procedure

4.3. Using a pipette

4.4. Flaming the neck of bottles and test tubes

5. Inoculation using a pipette

6. Pouring the media in Petri plate

7. Use of spreader

8. Spread plate technique

#### II MICROSCOPY

9. Use and care of microscope

10. Dark field microscopy

10.1. Bright field microscopy

10.2. Resolving power of microscope

10.3. Phase contrast field microscopy

10.4. Fluorescence microscopy

10.5. Electron microscopy

11. Ocular micrometry

#### III STAINING AND MOTILITY TECHNIQUES

12. Staining preparations

13. Smear making

14. Simple staining

15. Gram staining of bacteria

16. Capsule staining of bacteria

17. Capsule staining by negative, indirect or background staining

18. Acid fast (Ziehl-Neelsen) staining of bacteria

19. Endospore staining of bacteria

20. Dorner's method of endospore staining

21. Bacterial flagella staining

22. Viability staining technique of bacteria

23. Lactophenol cotton blue staining of fungi

24. Staining of Vesicular Arbuscular Mycorrhiza (VAM)

25. Staining of actinomycetes culture

26. Hanging drop slide for bacterial motility

27. Motility Determination (Tube method)

28. Slide technique for protozoa motility

#### IV BIOCHEMICAL ACTIVITIES OF MICROBES

29. Urease activity of bacteria

30. Nitrate reduction test

31. Catalase test

32. Lipid hydrolysis test

33. Oxidase test

34. DNase production test

35. Starch hydrolysis test or amylase production test

36. Gelatin hydrolysis or production of gelatinase

37. IMVIC tests

37.1. Indole Test

37.2. Methyl Red and Voges-Proskauer Tests

37.3. Citrate Test

38. Hydrogen sulfide production and motility

39. TSI (Triple Sugar Iron) and KIA (Kligler's Iron Agar)

40. Casein hydrolysis

41. Estimation of phytohormone IAA production from bacteria

42. Estimation of ammonia production by bacteria

43. Solubilization of mineral phosphate by microbes

#### V ENVIRONMENTAL MICROBIOLOGY

44. Multiple tube fermentation tests

44.1. Presumptive coliform test

44.2. Confirmed coliform test

44.3. Completed coliform test

45. Counting of Ascaris eggs in raw or treated sewage water

46. Determination of dissolved oxygen (DO) of water

47. Determination of biological oxygen demand (BOD) of water

48. Determination of chemical oxygen demand (COD) of water

49. Detection of coliforms in water using membrane filtration technique

#### VI MICROBIOLOGICAL CULTURE TECHNIQUES

50. Single Colony Isolation

51. Viable plate count or Pour plate or serial dilution agar technique

52. Counting of soil microorganisms

53. Isolation of Rhizobium from root nodules

54. Testing of nodulation ability by Rhizobia

55. Isolation of Azotobacter from soil

56. Carrier material for biofertilizers

57. Seed treatment with biofertilizers

58. Selection of bio-control agent

59. Isolation of pure culture and their preservation

60. Cultivation of anaerobic bacteria

#### VII GROWTH OF LACTOSE FERMENTING AND NON-FERMENTING MICROBES

61. Growth of bacteria using selective and differential media

62. EMB (Eosine methylene blue) agar for E. coli

63. MacConkey agar for enterobacteriaceae

64. Salmonella-Shigella (SS) agar for Salmonella and Shigella

65. XLD (Xylose Lysine Deoxycholate) agar for enterobacteriaceae

#### VIII MEDICAL MICROBIOLOGY

66. Micro-flora of upper respiratory tract

67. Enumeration of urine bacteria using pour plate technique

68. Use of urine dip slide for bacteria examination

69. Counting of bacteria using calibrated loop method

70. Widal test: The tube agglutination test

71. Slide agglutination test for rapid diagnosis of pathogen

72. The Ouchterlony technique (double immuno-diffusion method)

73. Determination of Rh factor

#### IX ENVIRONMENTAL EFFECT ON BACTERIAL GROWTH

74. Effect of pH on bacterial growth

75. Effect of oxygen on the growth of microorganisms

76. Effect of temperature on growth of microorganisms

77. Effect of osmotic pressure on growth of microorganisms

78. Effect of radiation (Ultraviolet light) on growth of microorganism

#### X APPLICATION OF MICROBIOLOGY

79. Determination of viral plaque assay

80. The one step bacteriophage growth curve

81. Kirby-Bauer disk diffusion susceptibility test

82. Determination of phenol coefficient of a chemical or effect of disinfectant on bacteria

83. Determination of bacterial growth curve

84. Demonstration of Koch's postulates

85. Identifying Gram-negative enteric bacteria using API 20E system

86. Identifying Gram-negative, oxidase negative enteric bacteria using Enterotube II system

XI MICROBIOLOGY OF MILK

87. Examination of milk quality by methylene blue reduction test

88. Counting of number of bacteria in milk using Breed method

APPENDICES

A Preparation of desired alcohol concentration

B Measurement units, conversion, factors and solution concentrations

C Standard symbols and factors

D Concentration normality

E Symbols, atomic number and atomic weight of elements

F Scientific notation

G. Different culture media compositions

H Reagents

I Glossary

REFERENCES

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