

TABLE OF CONTENTS – Clinical Veterinary Microbiology, 2nd Edition

Section 1: General Procedures in Microbiology

1. Collection and submission of diagnostic specimens
2. Bacterial pathogens: Microscopy, culture and identification
3. Serological diagnosis
4. Molecular techniques in diagnostic microbiology
5. The isolation of viruses and the detection of virus and viral antigens
6. Antimicrobial agents

Section 2: Bacteriology

7. *Staphylococcus* species
8. The Streptococci and related Cocci
9. *Corynebacterium* species and *Rhodococcus equi*
10. The Actinobacteria
11. *Mycobacterium* species
12. *Listeria* species
13. *Erysipelothrix* species
14. *Bacillus* species
15. Non-spore forming anaerobes
16. *Clostridium* species
17. Enterobacteriaceae
18. *Pseudomonas*, *Burkholderia* and *Stenotrophomonas* species
19. *Aeromonas*, *Plesiomonas* and *Vibrio* species
20. *Actinbacillus* species
21. *Pasteurella*, *Mannheimia*, *Bibersteinia* and *Avibacterium* species
22. *Francisella tularensis*
23. *Brucella* species
24. *Campylobacter*, *Arcobacter* and *Helicobacter* species
25. *Lawsonia intracellularis*
26. *Haemophilus* and *Histophilus* species
27. *Taylorella equigenitalis*
28. *Bordetella* species
29. *Moraxella* species
30. Glucose non-fermenting, Gram-negative bacteria
31. The Spirochaetes
32. Miscellaneous Gram-negative bacterial pathogens
33. Chlamydiales
34. The Rickettsiales and *Coxiella burnetii*
35. The Mycoplasmas (Class: Mollicutes)
36. Mastitis

Section 3: Mycology

- 37. Introduction to the pathogenic fungi
- 38. The dermatophytes
- 39. Aspergillus species and Pneumocystis carinii
- 40. The pathogenic yeasts
- 41. The dimorphic fungi
- 42. The pathogenic Zygomycetes
- 43. Fungi causing subcutaneous mycoses
- 44. Mycotoxins and mycotoxicoses

Section 4: Virology (including prions)

- 45. Parvoviridae
- 46. Circoviridae
- 47. Papillomaviridae
- 48. Adenoviridae
- 49. Herpesviridae
- 50. Asfarviridae
- 51. Poxviridae
- 52. Picornaviridae
- 53. Caliciviridae
- 54. Astroviridae
- 55. Reoviridae
- 56. Birnaviridae
- 57. Flaviviridae
- 58. Arteriviridae
- 59. Togaviridae
- 60. Orthomyxoviridae
- 61. Paramyxoviridae
- 62. Coronaviridae
- 63. Rhabdoviridae
- 64. Bunyaviridae
- 65. Retroviridae
- 66. Bornaviridae
- 67. Prions (proteinaceous infectious agents)

Section 5: Zoonoses

- 68. Zoonoses

Section 6: A Systems Approach to Infectious Diseases on a Species Basis

- 69. Infectious diseases
- Appendix 1: Reagents and Stains
- Appendix 2: Culture and Transport Media
- Index.