HANDBOOK OF BACTERIOLOGY
THEORY AND PRACTICE

An Essential Book For Medical Science Students

Joseph Mwamisi, Sam Muthwii, Alice Mutungi
To the Reader,
Quality, Relevant and Correct Diagnosis of bacteria in health setups is an important component in patient care, management and treatment. The Medical Laboratory Department plays a major role in the area of Medical Sciences. However, one of the shortcomings that hinder the effective rendering of services to the patients and the community as a whole is lack of cheap health teaching and learning resources.

The purpose of this handbook is, therefore, to provide adequate information both to the Medical Laboratory Health workers as well as the Science Education trainers. It provides appropriate information to laboratory and science education staff at all levels.

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21. HAEMOPHILUS

Haemophilus Species

21.1 H. influenza

21.2 H. parainfluenzae

21.3 H. aegyptius - Koch – Weeks bacillus

21.4 H. ducreyi-Ducreyi’s bacillus

21.5 H. aphrophilus

21.6 Moraxella lacunata-Morax axenfeld bacillus

21.7 Morax liquefaciens

22. KLEBSIELLA

23 SHIGELLA

24. SALMONELLA

25. HAFNIA

26. PROVIDENCIA

27. ACTINOMYCES

27.1 Actinomyces Israeliii

28. NORCADIO

28.1 Norcardia Madurae

29. ESCHERICHIOLA

30. TREPONEMA

31. BORRELIA

31.1 Borrelia Vincentii

32. LEPTOSPIRA

33. PROTEUS

34. CITROBACTER

35. CLOSTRIDIUM

36. PATHOGENIC FUNGI

37. DERMATOPHYTES

37.1 Microsporum

37.2 Trychophyton

37.3 Epidermophyton

38. SALMONELLA

38.1 Arizona Group

39. COMMON STAINING METHODS IN MEDICAL LABORATORY SCIENCE

39.1 Making and Fixing a Film

39.2 Gram’s Staining Method

39.3 Ziehl – Neelsen’s Staining Method

39.4 Albert’s Staining Method

39.5 Elevations and Edges of Common Types of Colonies

REFERENCES