ATLAS AND PRINCIPLES OF BACTERIOLOGY AND TEXT-BOOK OF SPECIAL BACTERIOLOGIC DIAGNOSIS

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K. B. LEHMANN & R. O. NEUMANN

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ATLAS AND PRINCIPLES

OF

BACTERIOLOGY

AND TEXT-BOOK OF

SPECIAL BACTERIOLOGIC DIAGNOSIS

BY

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BOOKSS

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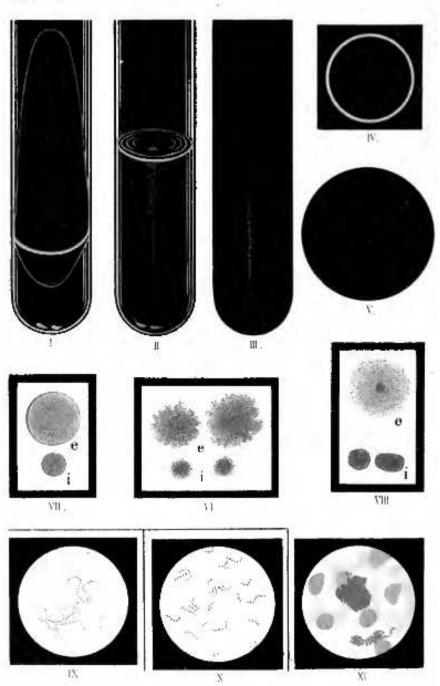
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PLATE 1.

Streptococcus pyogenes. Rosenbach.

I. Agar streak culture, ten days at 37°.

II. Gelatin stab culture, six days at 22°. So vigorous a growth does not often occur.

III. Agar stab culture, six days at 37°. Stab canal.

IV. Agar stab culture, six days at 37°. Surface growth.

V. Gelatin plate, six days at 22°.

VI. Gelatin plate, six days at 22° . \times 70. Somewhat abnormal form with irregular borders. The larger colonies are superficial; the smaller, deep.

VII. Gelatin plate, six days at 22° . \times 70. Common form. The upper, superficial; the lower, deep.

VIII. Agar plate, eight days at 37°. × 50. Larger colony superficial; smaller colonies, deep.

IX. Microscopic preparation from a two days' bouillon culture at 37° . \times 700. The individual cocci are usually more regularly round.

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XI. Microscopic preparation, designated Streptococcus conglomeratus. Smear preparation from the blood of the spleen from a case of scarlatina. Copied from Kurth (Kaiserl, Gesundheitsamt., Bd, vu. cfr. xv. 6 and 8).

XII. Chains of streptococci, before and during division. Highly magnified.



XII.

PLATE 2.

Streptococcus lanceolatus. Gamaleia. (Diplocoecus pneumoniæ A. Fränkel.) (Pneumococcus.)

Gelatin stab culture, ten days at 22°.

II. Agar streak culture, four days at 37°.

III. Agar stab culture, four days at 37°. Stab canal.

IV. Agar stab culture, four days at 37°. Surface growth.

V. Agar plate, three days at 37°. Natural size.

VI. Agar plate, three days at 37°. \times 50. Superficial colony. The darker colony lies near the surface.

VII. Agar plate, three days at 37° . $\times 50$. Deep colonies.

VIII. Gelatin plate, eight days at 22°. The upper colony is superficial; the lower ones, deep.

1X. Smear preparation from pneumonic sputum. \times 1000.

N. Pure culture from a three days' old agar plate, \times 1000.

XI. Microscopic preparations: (a) Diplocoeci as single pairs and in chains. Highly magnified. (b) Diplocoeci surrounded by gelatinous capsules.

