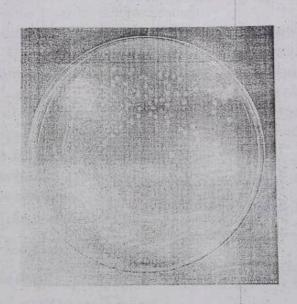
Haemophilus infl uenzae (cucellate agou)

A 50-year-old man with a long history of smoking now has a fever and a cough productive of greenish sputum. His physician suspects pneumonia, which is confi rmed by chest x-ray. A sputum sample was plated on chocolate, blood, and MacConkey agars. Colonies only grew on chocolate agar. Gram stain of the resulting bacteria resembled that shown. The bacteria were oxidase positive and required supplementation with heme and NAD. What is the most likely etiology and infection?



V. Name the causative agent and the disease.

1. Describe the morphology of this bacterium on Gram staining.

3. Why these organisms require enriched media for their growth?

4. Is it Capsulated? If yes. What is the chemical composition of its capsule?

8. Enlist the other diseases caused by it. rectification, reprise, replic authorities.

7. Name the respiratory Gram negative rods. H. Muerra, Brodella Pertussis H. Influence factors

(12) Laboratory investigation.

1-4 femin length 0.4 µm in diameter I namely factor x (heme comp

Chodale agar with 5-10% co2 for 48 hours. Fador V(NAD)

(11)

191A protease

(12) Gram staining -> gram-ve Coccobacillus