

RS- Microbiology

Archive

lecture 9

Haemophilus influenza

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RS- Microbiology **Lecture 9**

1. The Satellitism test helps identify Haemophilus influenzae because this organism requires which of the following growth factors?

- A) Only X-factor**
- B) Only V-factor**
- C) Both X-factor and V-factor**
- D) Neither X-factor nor V-factor**
- E) Vitamin K**

Answer: C) Both X-factor and V-factor

1. Which biochemical test is used to distinguish Haemophilus influenzae from other Haemophilus spp. based on the requirement of X-factor and V-factor?

- A) Catalase test**
- B) Oxidase test**
- C) Urease test**
- D) Satellitism test**
- E) Coagulase test**

Answer: D) Satellitism test

1. A 5-year-old child presents with fever, cough, and signs of respiratory distress. Laboratory culture of a throat swab is performed on IsoVitalex-enriched chocolate agar, which supports the growth of fastidious organisms. Which of the following bacteria is most likely to grow on this medium?

- A) Streptococcus pyogenes**
- B) Haemophilus influenzae**
- C) Neisseria meningitidis**
- D) Staphylococcus aureus**
- E) Escherichia coli**

Answer: B) Haemophilus influenzae

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Correct about structure & factors of *H. influenzae*

- **Typable is nonencapsulated**
- **IgA protease ✓**

PRP-D is vaccine for

- ***H. influenzae***
- **Diphtheria toxoid**
- ***Corynebacterium diphtheriae***