

QUIZ TIME

Microbiology

Done by: Lemar Mustafa

Lec: 5+6



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طب الأسنان

Which of the following structures is responsible for bacterial motility?

- A) Pili
- B) Flagella
- C) Capsule
- D) Ribosomes

Ans: B

Which of the following is not a part of the bacterial flagellum?

- A) Filament
- B) Hook
- C) Basal body
- D) Capsule

Ans: D

The filament of flagellum is composed mainly of:

- A) Peptidoglycan
- B) Flagellin protein
- C) Lipopolysaccharide
- D) Tubulin

Ans: B

The rotation of bacterial flagella requires energy from:

- A) ATP directly
- B) Proton motive force (H^+ gradient)
- C) Light
- D) Sodium ions

Ans: B

In bacteria, counterclockwise rotation of flagella causes :

- A) Tumble
- B) Smooth run
- C) Stop movement
- D) Spiral motion

Ans:B

Short, hair-like structures arising from the bacterial surface and important for adhesion are called :

- A) Flagella
- B) capsule
- C) Fimbriae
- D) Endospor

Ans:C

The main function of fimbriae is :

- A) Movement
- B) Adhesion to surfaces
- C) Energy production
- D) Spore formation

Ans:B

The loose, unorganized form of glycocalyx is known as :

- A) Capsule
- B) Slime layer
- C) Spore coat
- D) Lipid envelope

Ans:B



Gram-positive bacteria have a thick layer of:

- A) Peptidoglycan
- B) Lipopolysaccharide
- C) LipidA
- D) Outer membrane

Ans:A

The outer membrane is present in:

- A) Gram-positive bacteria
- B) Gram-negative bacteria
- C) Both
- D) Neither

Ans:B

