

QUIZ TIME

Microbiology

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Lec: 7



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Q1. The basic building blocks of peptidoglycan are:

- A) N-acetylneuraminic acid and glucose
- B) N-acetylglucosamine (NAG) and N-acetylmuramic acid (NAM)
- C) Lipopolysaccharide and teichoic acid
- D) Muramic acid and sialic acid

Answer: B

Q2. The peptide side chain of peptidoglycan is attached to:

- A) N-acetylglucosamine
- B) N-acetylmuramic acid
- C) Lipid carrier
- D) Peptide bridge

Answer: B)

Q3. The enzyme responsible for cross-linking peptidoglycan chains is:

- A) Transglycosylase
- B) Transpeptidase
- C) Autolysin
- D) β -lactamase

Answer: B)

Q4. The lipid carrier molecule that transports peptidoglycan precursors across the membrane is:

- A) Lipopolysaccharide
- B) Teichoic acid
- C) Bactoprenol
- D) Lipoteichoic acid

Answer: c

Q5 Which of the following is unique to Gram-negative bacteria?

- A) Peptidoglycan layer
- B) Lipopolysaccharide (LPS)
- C) Teichoic acid
- D) NAG and NAM

Answer: B)

Q6 The following is a feature of gram +ve rather than Gram-ve cell wall

- A-lipidA
- B-outer membrane
- C-Thick peptidoglycan
- D-periplasmic space

Ans: C

Q7 Mycoplasma resist to penicillin due to

- A-Ribosome
- B-cell wall
- C-cell membrane
- D-pili

Ans: B

Q8 LipidA is a wall component of:

- A-gram positive bacteria
- B-fungi
- C-viruses
- D-gram negative bacteria

Ans: D

