

GIT-biochemistry

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Lecture 2

major type of digestion and nutrients II

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Biochem - lecture (1)

1. pancreatic enzymes:

- A- Contain enzymes that digest fatty acids.
- B- CCK-PZ increase aqueous secretion from duct.
- C- pH is 6-7,8.
- D- Pancreatic juice have low HCO_3^- .
- E- Secretin absorbed from blood stream.

Answer. A

2. lysophospholipid

- a. digested from phospholipid
- b. Digested from cholesterol
- c. Digested by colipase

Answer: A

3. The enzyme that tolerates high acidity

- a. Lipase
- b. amylase
- c. Pepsin
- d. Lysozymes

answer : c

4. One of the following is true about enteropeptidase

It cleaves the protein inside the chain not outside

Biochem - lecture (1)

5. In Chymotrypsinogen activation which two amino acids of the followings are removed?

- A. Threonine¹⁴⁷- Asparagine¹⁴⁸
- B. Tyrosine¹⁴⁷-Arginine¹⁴⁸
- C. Serine¹⁴⁷- Arginine¹⁴⁸
- D. Tyrosine¹⁴- Asparagine¹⁵

ANSWER: A

6. Emulsification of fat, choose the wrong statement?

- a. The charged hydrophilic side of bile salt will be projecting from the surface of micelles
- b. Micelles are soluble in water
- c. The hydrophobic side of the bile salts mix with fat droplet
- d. Gastric lipase digest the fat in micelle producing fatty acids and 2-monoacylglycerols
- e. This process mixes two different substances that normally do not mix together

ANSWER: D

Biochem - lecture (1)

7. phospholipase A2?

- a. remove fatty acids from compounds
- b. digests dietary triacylglycerols producing 2 free fatty acids and 2-monoacy glycerol
- c. Digests phospholipids to free fatty acid and a Lysphospholipid

Answer: C