**Theoretical report from practicals**

**Hydrolases – peptidases (pepsin, trypsin)**

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| Date of practical : | Group: | Choose the element. |
| Click here. | Student 1: | Click here to enter the text. |
| Date of report: | Student 2: | Click here to enter the text. |
| Click here. | Student 3: | Click here to enter the text. |

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| **Question 1**  **Name protein digestive enzymes, present their general division. Please indicate the enzyme class where protein digestive enzymes belong to.** |
| Click here to enter the text. |
| **Question 2**  **Why are the digestive enzymes secreted in the form of inactive zymogens?** |
| Click here to enter the text. |
| **Question 3**  **Describe the place of origin, optimum pH of action and the activation process of the enzyme that digests protein in the stomach.** |
| Click here to enter the text. |

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| **Question 4**  **Pepsin is the enzyme that hydrolyses peptide bonds formed with the participation of amino groups of some amino acids. Indicate these amino acids.** |
| Click here to enter the text. |

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| **Question 5**  **What substrate did we use to determine pepsin activity?** |
| Click here to enter the text. |

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| **Question 6**  **How have we experimentally confirmed the optimal pH of pepsin?** |
| Click here to enter the text. |

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| **Question 7**  **Describe the place of origin, optimum pH of action and the activation process of the enzyme that digests protein in the small intestine.** |
| Click here to enter the text. |
| **Question 8**  **Trypsin is the enzyme that hydrolyses peptide bonds formed with the participation of amino groups of some amino acids. Indicate these amino acids.** |
| Click here to enter the text. |

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| **Question 9**  **What substrate did we use to determine trypsin activity?** |
| Click here to enter the text. |

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| **Question 10**  **Was the determination of trypsin activity based on the measurement of substrate loss or on the measurement of the increase in the enzymatic reaction product?** |
| Click here to enter the text. |

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| **Questionare for practical „** Hydrolases – peptidases (pepsin, trypsin)”  **Help us to improve practicals on biochemistry and answer the following questions. Your answers are anonymous, used for our statistics and do not influence your evaluation.** |

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| 1. Theoretical introduction to practical is: | |
| ☐ | Difficult to follow |
| ☐ | Does not fit to practical |
| ☐ | I do not know |
| ☐ | Helps to understand the practical |
| ☐ | Deepens knowledge from lecture |
| 1. The description of practical and protocol are: | |
| ☐ | Difficult to follow |
| ☐ | Does not fit to practical |
| ☐ | I do not know |
| ☐ | Helps to understand the practical |
| ☐ | Deepens knowledge from lecture |
| 1. The selection of experiments is: | |
| ☐ | Difficult to follow |
| ☐ | Does not fit to practical |
| ☐ | I do not know |
| ☐ | Helps to understand the practical |
| ☐ | Deepens knowledge from lecture |
| 1. Do experiments have practical meaning? | |
| ☐ | Definitely not |
| ☐ | Probably not |
| ☐ | I do not know |
| ☐ | Probably yes |
| ☐ | Definitely yes |
| 1. Additional theoretical material to practical is: | |
| ☐ | Difficult to follow |
| ☐ | Does not fit to practical |
| ☐ | I do not know |
| ☐ | Helps to understand the practical |
| ☐ | Deepens knowledge from lecture |
| 1. Quality of chemicals and equipment are: | |
| ☐ | Not appropriate |
| ☐ | Does not fit to practical |
| ☐ | I do not know |
| ☐ | Partly appropriate |
| ☐ | Appropriate |

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| 1. Other important remarks: |
| Click here to enter the text. |