**Report from practicals**

**Transferases – transaminases (alanine transaminase and aspartate transaminase)**

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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. |

1. What is the nature of transamination reaction in transformation of amino acids?
2. Give known to you enzymes that catalyze transamination reaction. Write appropriate reactions. Take into account names of the substrates, products, enzymes and coenzymes.
3. Are all amino acids donors of amine group in transamination reaction?
4. Point out tissues/organs in living organism, where AST and ALT occur.
5. What is the measure of the activity of transaminases? Give definitions of enzymatic units known to you.
6. What is the method of ALT and AST activity determination based on? (use example from practicals).
7. You obtained the result of 71 IU/L during the measurement of ALT activity in blood plasma of a dog. Interpret the result.
8. What indicates the presence of higher activity of ALT and AST in blood plasma?
9. Does blood haemolysis affect obtained results?
10. What does de Ritis ratio mean?