**Report from practicals**

**Physico-chemical properties of peptides and proteins**

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| Date of practical : | Group: | Choose the element. |
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Theoretical Introduction:

1. Describe the mechanism and practical application of denaturation and the process of protein desalting.
2. What is the protein isoelectric point? Describe properties of the protein in their isoelectric point and how we can use that knowledge in practice?
3. How can we determine protein isoelectric point? What is its value for casein?

Based on the results of the exercises:

1. Why did we have to add ammonium sulphate *in substantia* after the first filtration? Describe the steps in the desalting of plasma proteins.
2. How do heavy metal salts react with cationic and anionic proteins? What is cationic and anionic protein? How can we use that knowledge in practice?
3. How do concentrated organic and inorganic acids affect protein molecules?