

- LAB 2: Qualitative chemical reactions 1-
of functional groups in protein 2-
 3-

Experiment 1 Biuret test

Tube	Observation	Conclusion
Egg albumin		

Experiment 2: Effect of salt concentration on the protein solubility:

Tube	Observation	Conclusion
Albumin solution + 50% (NH ₄) ₂ SO ₄		
Albumin solution + solid 100% (NH ₄) ₂ SO ₄		

Experiment 3: Acid precipitation of proteins:

Tube	Observation	Conclusion
Egg albumin + Trichloroacetic acid (TCA).		
Egg albumin +conc. nitric acid		

Experiment 4: Precipitation of protein by salts of heavy metals:

Tube	Observation	Conclusion
Egg albumin +AgNO ₃		

Experiment 5: Protein denaturation :

Tube	Observation	Conclusion
Egg albumin in boiling water bath for 8 min		