Separation of Main Proteins in Plasma and Serum First, working on Plasma: Add equal volumes of **Plasma** and saturated NaCl solution. This Separation by Method. Centrifuge at 3500 RPM/10 min Transfer the supernatant, into another empty test tube. Take the precipetate (Fibrinogen), and dissolve it in 2 ml 0.9% saline. (then devide it to A and B tube) (Tube B) (Tube A) 1 ml for Clotting Test 1 ml for Biuret test 1 ml Fibrinogen + 1ml Serum Incubate at 1 ml Fibrinogen + 1ml Biuret Reagent Mix well, water bath at 37 °C / 10 min. Clotting allow to stand in water bath at 37 °C/10 min occurs (because serum contains active a purple color (confirms the presence of thrombin which converts fibrinogen to protein "fibrinogen") insoluble fibrin) For Supernatant: **Supernatant** + Few drops of 5 % CaCl2 The objective is to..... Incubate at 37 °C / 10 min No clotting occurs (although calcium ions are required in the clotting process, no clotting occurs because of the absence of the fibrinogen in the solution)

