DETERMINATION OF ALLERGIC NATURE OF PROTEINS BY HEMOLYTIC ASSAY

To confirm the allergic nature the hemolytic assay was performed. The RBCs were isolated from the human blood in PBS (Phosphate Buffer Saline). Equal volume of the PBS was added to blood mixed properly and carefully, then centrifuged at 4000 RPM for 5 minutes. The supernatant was discarded and the RBC pellet is again washed until a clear suspension of RBCs is obtained. In a microtitre plate added 100 µl of PBS and 50 µl of RBCs. 100 µl of the Protein fraction was also added in the RBC vials. If the RBCs lyse on adding the protein that show that the protein is allergic and should not be used for human consumption. The results of the hemolytic assay proved that the protein was not allergic to human as there was no hemolysis in the RBCs (Plate-29).