

**Lab #1**  
**Separation of Blood Components**

**A. Separation of plasma from Whole Blood**

You are provided with a purple cap tube which contains.....

The volume of the whole blood (before centrifugation): .....ml.

- After measuring the volume of the whole blood, follow the scheme.



Centrifuge at  
3000 rpm  
for 10 minutes



The upper layer is:.....

The lower layer is:.....

-Withdraw the liquid layer by pasture pipette into empty centrifuge tube, then record the volume.....ml .

The liquid phase is called .....

Components	Total volume (ml)	Percentage (%)
Whole blood		
Liquid phase(.....)		
Blood Cells		

-if you were asked to provide the lab with a serum, using the liquid layer you have. What will you do?

.....

.....

## B. Separation of Serum from Whole Blood

You are provided with a red cap tube which contains.....

The volume of the whole blood (before centrifugation): .....ml.



Centrifuge at  
3000 rpm  
for 10 minutes



The upper layer is:.....

The lower layer is:.....

-Withdraw the liquid layer by pasture pipette into empty centrifuge tube, then record the volume.....ml .

The liquid phase is called .....

Components	Total volume (ml)	Percentage (%)
Whole blood		
Liquid phase (.....)		