**Separate Blood Components**

* You have a purple cap tube which contains………………
* **Measure the volume of the whole blood**………..**ml (V1)**

**Describe the layers that you got**



Centrifuge at **3000 rpm**

for **10 minutes**

* **Withdraw the liquid layer** (**…………**) by pasture pipette into centrifuge tube, record the volume (V2) of the liquid phase which is called ………………

|  |  |  |
| --- | --- | --- |
| Components | Total volume | Percentage |
| Whole blood  |  |  |
| Liquid phase (…………..) |  |  |
| Blood Cells |  |  |

* **How we can Separate Serum from the liquid phase that you got?**

**………………………………………………………………………………………………………………………………………………………**

**Separate Serum**

* You have a red cap tube which contains………………
* **Measure the volume of the whole blood**………..**ml (V1)**



**Describe the layers that you got**

Centrifuge at **3000 rpm**

for **10 minutes**

* **Withdraw the liquid layer** (**………..**) by pasture pipette into centrifuge tube, record the volume (V2) of the liquid phase which is called ………………

|  |  |  |
| --- | --- | --- |
| Components | Total volume | Percentage |
| Whole blood  |  |  |
| Liquid phase (…………..) |  |  |
| Solid phase(…………….) |  |  |

**(Volume of serum obtained = 1/3 of the volume of whole blood)**