**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**

[http://search.stjames.ie/Labmed/media/Media,23953,en.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjx0aKlj_nKAhVCDJoKHT6qA0sQjRwIBw&url=http://search.stjames.ie/Labmed/Help/Purple/&psig=AFQjCNEb-siyVsvAFMGv8LfrTU0PIT9FwQ&ust=1455603370167905)

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)**

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjnut6Jm_nKAhVsLZoKHWihBmYQjRwIBw&url=http://www.gettyimages.co.uk/detail/illustration/red-cap-tube-with-six-possible-uses-royalty-free-illustration/183952429&bvm=bv.114195076,d.bGs&psig=AFQjCNE5mujuoVopoBfoFdfWSsSDFaPjAQ&ust=1455606524084416)

**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)**