

Important factors before starting the immune experiments

Lecture 9

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Important factors you need t think about before or during isolation of immune cells.

- 1- Make sure all what you need is available a day before. Because any delay may ruin the experiment.
- 2- The media should be always refrigerated or surrounded with ice during the experiment
- 3- Make sure to vortex very gently in order to avoid any kind of hurting for cells.
- 4- Make sure about the sterilization, as well as autoclaving the essential parts
- 5- Make sure to put a timer close you to make sure everything running on time.
- 6- For viability, make sure to mix one drop of trypan blue with one drop of sample, mix it well and added to the slide then insert it on hemocytometer to read the results .



Stomacher



Shaker



Cell counter

1

Fig.1. General view

Fig.2. Right side of centrifuge

Fig.3. Assembly of angle rotor

Fig.4. Mains socket back of the centrifuge

1. Power switch
2. USB
3. Control panel
4. Point of emergency lid opening
5. Lid
6. Inspection glass

1. Motor axle
2. Rotor
3. Rotor lid
4. Complete clamp

1. Main socket
2. Fuse socket

Armoured casing

Before

After

Supernatant

Pellet

Rapidly rotating rotor

3

Supernatant (liquid)

Pellet

Fig. Centrifuge: General View, Centrifugation procedure and components separation

Image sources: handling-solutions.eppendorf.com & labnetinternational.com

Centrifuge

Best
Wishes!

The image features the phrase "Best Wishes!" written in a bold, black, cursive script. The text is set against a white, slightly tilted rectangular background. The word "Best" is on the top line, and "Wishes!" is on the bottom line. The letters are thick and have a slight shadow effect. Several small, five-pointed gold stars are scattered around the text, particularly around the word "Best". A long, sweeping, black flourish extends from the bottom of the word "Wishes" across the width of the text.