Transmissional lightmicroscope

If using this technique please note that Trypan Blue is a cytotoxic dye!

1. Pellet the cells with the appropriate conditions (e.g. 300g 10')
2. Discard the supernatant and resuspend the pellet in 10 ml medium.
3. Take 20µl into an Eppendorf tube and mix it with 180µl Trypan Blue.
4. Put 10 µl in Bürker's chamber / glass slide and put cover glass.
5. At the microscope you can count the dead (blue) and the living (unstained) cells and calculate a ratio based on the count

Flow cytometer

1. Pellet the cells with the appropriate conditions (e.g. 300g 10')
2. Resuspend the pellet 10 ml AxBB
3. add 250 µl of AxBB in FACS tubes and Add 50µl of cells and 1µl of Annexin V / 1µl of PI / 1µl 7AAD and leave an unstainted cell control as well
4. Measure the signal strenght in FACS and calculate the positive cells' ratio to the unstained sample