2\_14\_23 Fractionation Experiment Notes

Want to look at two aspects.

1. Look at [C] of antibody solution as it is pumped through the invisi-slip fluidic device. This starts at pinch valve opening to flowing 100% through it.
2. Let solution rest inside of device and sit for sometime and then fractionate it as it comes out. In this case, the antibody solution will have a non-antibody fluidic front behind it.

How to accomplish part 1.

1. Make 1:200 500uL solution of A647 secondary
2. Add X uL into each well every 2 seconds
3. Add and mix dilution solution to it to make 50uL in total.
4. Take sample from source as reference [C], take off volume dispensed in 2 seconds and add until 50uL as in step 3.
5. Put into tecan plate reader and read off well intensities to find relative [C]

How to accomplish part 2.

1. Make 1:200 500uL solution of A647 secondary
2. Run 275uL into chamber with non antibody solution behind it
3. Rest 30 minutes
4. Fractionate every second for 10 seconds
5. Make volume 50uL in 96 well plate
6. Take sample from source as reference [C], take off volume dispensed in 1 seconds and add until 50uL as in step 5.
7. Put into tecan plate reader and read off well intensities to find relative [C]

In 3 seconds, 12.8uL of liquid dispensed. So 37uL of dilution solution to get to 50uL