Running the Flow Controller on MicroManager

Start MicroManager 1.4

Make sure MMConfig\_StreyLab3 is selected and click OK.

After MicroManager loads, go to the Plugins menu and select Flow Controller.

A new window should pop up that has Version 1.4b\_U in the bottom right corner.

Press USB in the top right corner to connect it to the pressure controllers. A successful connection will show “Successful connection.”

Adjust the pressure for each pressure controller by either moving the slider or typing the number into the box and hitting enter.

Pushing Pause Flow closes all the valves and sets all the pressures to 0.

Pushing Resume Flow opens all the valves and sets all the pressures to their previous values.

All open opens all valves.

All closed closes all valves.

Ensure that the valves are open when applying pressure or else there will be no flow.

You can change the file name to whatever you want, it will save in C:\acquisitionData\FileName and it will not overwrite any old data.

Exposure time should be set to whatever you have in the live view.

Number of images sets how many images will be taken.

Flow time sets how much time the droplets will be flowed if the pressure is resumed.

Pause time sets how long before the picture is taken after the flow is paused so that the droplets can come to a complete stop.

Press Start to initiate the picture taking.

Press Stop at any time to stop the sequence.

Pushing Reset may not work in the way you think, so probably don’t push that. Instead, close the plugin and re-open it.