Measuring

Nanodrop

1. Start computer program.
2. Raise arm and clean the eye of the Nanodrop.
3. Pipet 1 µl of your blank sample (MQ, elution buffer etc.) and lower the arm
4. press blank in the program and raise the arm after it's done with measuring.
5. Clean the eye and pipet 1 µl of your sample on the eye.
6. Press measure and note the 260/280, 260/230 and concentration (ng/µL) down.

Qubit

1. Prepare the Qubit working solution. Do this by diluting Qubit dsDNA HS reagent 1:200 in Qubit dsDNA HS buffer in a large Qubit tube. Final volume must 200 µL per tube.
2. Prepare 2 standard tubes, add 190µL of working solution to each tube and add 10 µL of each standard to the right tube. Then vortex for 2-3 seconds and spin down shortly.
3. Prepare each control tube, add 199µL of working solution to each tube and add 1 µL of sample to the right tube. Then vortex for 2-3 seconds and spin down shortly.
4. Incubate at room temperature for 2 minutes in a dark space.
5. Start the Qubit and select screen assay type (Quant-iT dsDNA, BR or HS).
6. Press yes to run a new calibration. Insert the standard tube number 1, close lid and press read. Remove and do the same for standard tube number 2.
7. Once calibrated, you can measure your sample. Insert your sample tube in the machine, close the lid and press read. The concentration you get is the diluted one, by pressing calculate stock conc. and filling in the right volume, It calculates your concentration.
8. Save the data, remove the sample and perform the same for a new sample.