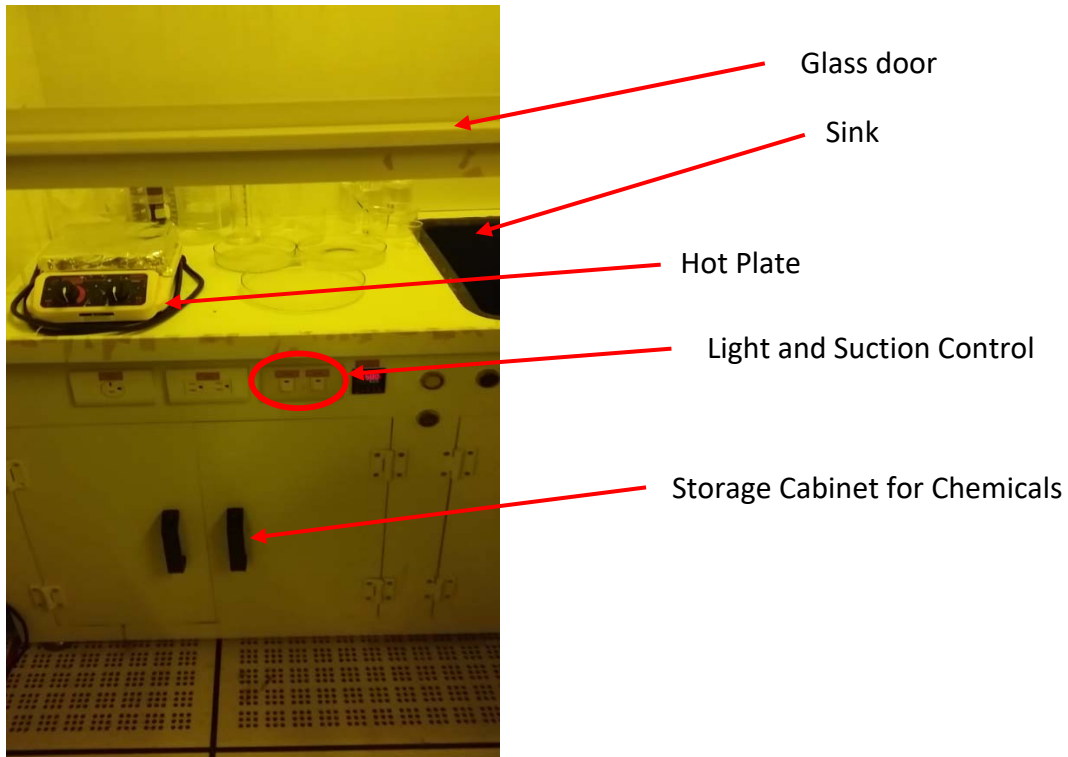
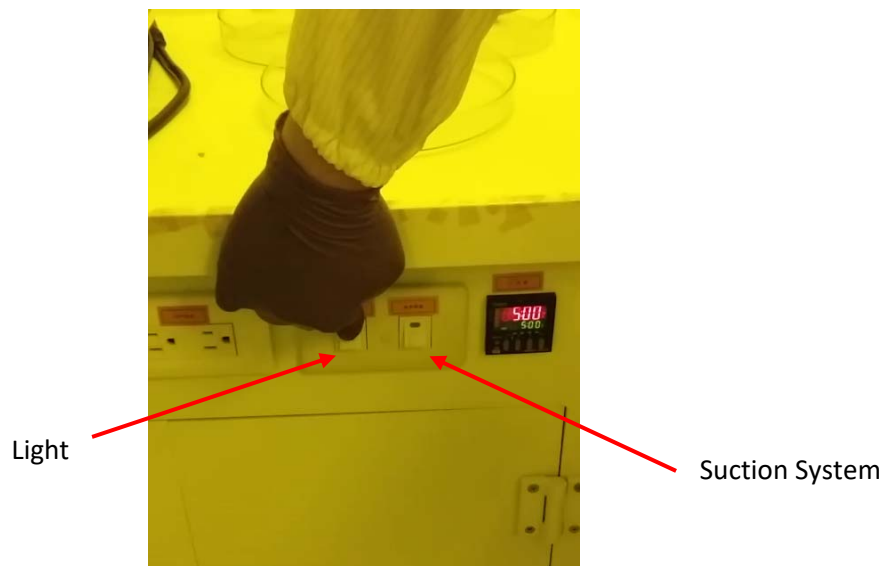


Wet Bench Manual

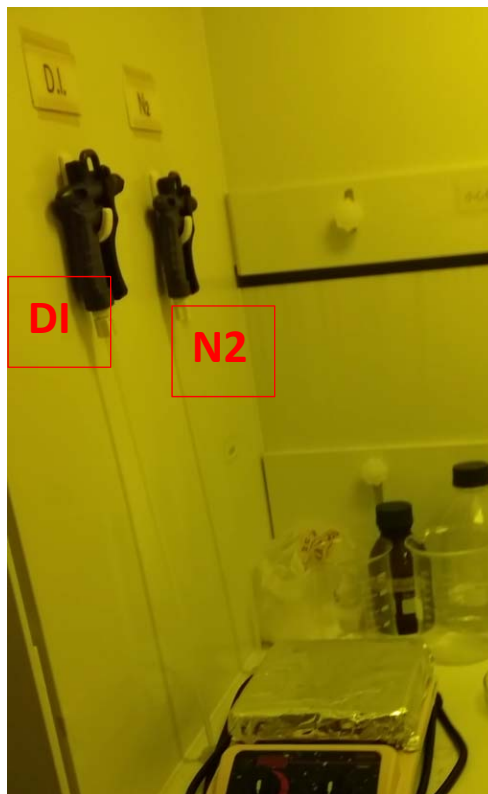
Layout



1. Switch on the light and the suction system.



2. Lift up the glass door for ease of operation.
3. Gas and DI water blowers are located at the top left of the bench as shown:



4. Regular water and DI water are located at right side of bench.

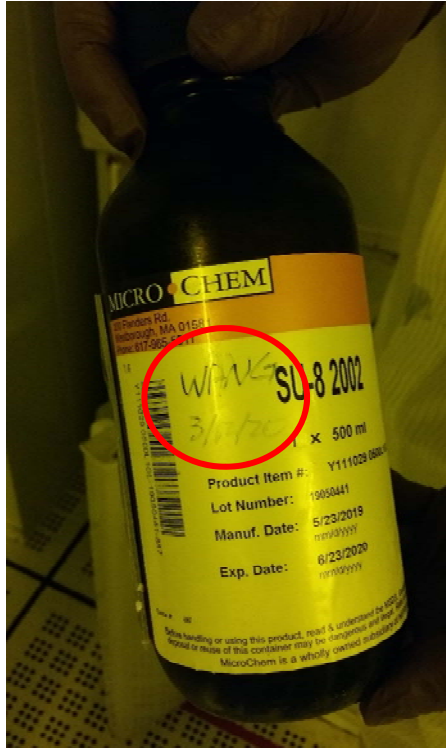


5. Opening the glass door to operate the equipment is recommended, but once you start any process or use the hot plate, slide down the door as far down as possible **without fully closing the door**. A gap is necessary to maintain suction. **Do not completely close the glass door**.
6. **To adjust the flow of blower:**
 - Rotate the knob at the top in clockwise or anticlockwise direction.
 - Unless otherwise directed, start with a weak flow and gradually increase to the flow that is required for you. Check the N₂ flow on your hand first then use it on your sample.
 - **Important suggestion:** Keep your device or wafer inclined and as low as possible to the work surface, and place a dish or beaker underneath to catch it (in case you drop the device/wafer or splash something).



Adjusting Knob

7. **While cleaning the beaker use regular water first and then rinse with DI water. Blow dry it with nitrogen.** The reason behind using the DI water is neutralizing it so that no dust is collected at top.
8. The chemicals:
 - Developer, IPA, and acetone are stored in the bottom cabinets.
 - Label the empty bottles first with marker as shown in the figure (Name: Dr. Wang, Date, chemical name) and deposit all used Acetone and Developer solution in the labelled waste bottle.
 - **Don't put any chemicals into the sink (hood sink).**



Chemical Labeling (Name: Dr. Wang, Date, chemical name)

9. Hot Plate:

Wrap the **hot plate** with new **Aluminum foil** every time you use it, then **switch on** and set the temperature. Make sure you **turn off the hot plate after each use**. Never connect hot plate to a power strip or extension cord.



10. Solvent waste bottle is placed beside the wet bench, so pour the waste into the bottle and use regular, then DI water to clean the beakers. **Place the beakers, petri dishes upside-down after you finish cleaning them.**
11. Each chemical should have its own designated waste bottle including developers.

