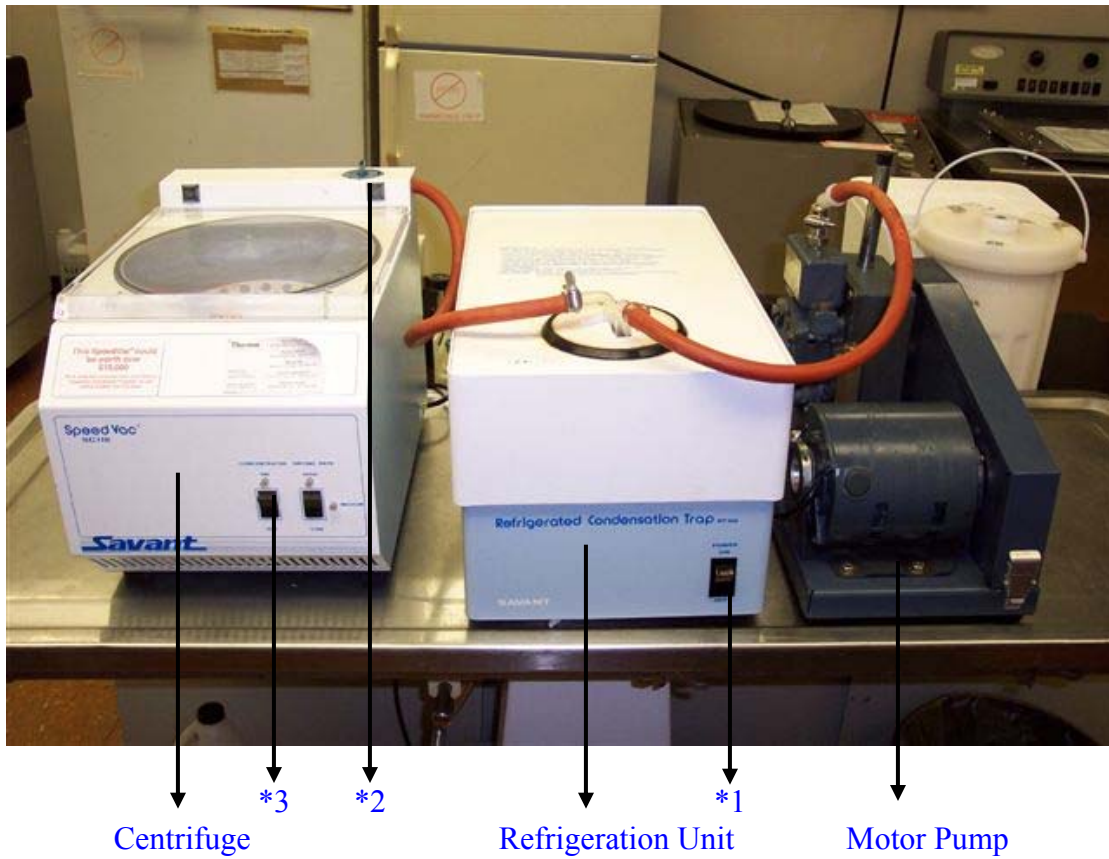


## EVAPORATOR



- \*1 – Refrigeration Unit Switch
- \*2 – Valve for turning ON the Vacuum
- \*3 – Concentrator Switch

Before starting the experiment, the things to be taken care of are:

- Sterilize the units to prevent contamination of samples. Sterilization is done either by wiping with alcohol / disinfectant or with RNase ZAP.
- Prior to inserting the glass trap, add absolute alcohol to stainless steel trap up to level indication line.



Glass Trap

Stainless steel Trap

- Check the level periodically and add more alcohol if necessary, but **DO NOT OVERFILL** than what is necessary.

Instructions on using the Instrument:

- Turn ON the refrigeration unit (\*1).
- Switch the unit ON at least half hour prior to use.
- Place the tubes with open lids into the centrifuge.
- Turn ON the **Open Vacuum** mode (\*3). Close the lid.
- Turn ON the concentrator (\*2). There is also a switch for setting temperatures. So, depending on the purpose, the temperature can be varied.
- Turn ON the vacuum pump (i.e. the switch on the switched outlet box on the floor).
- Once it is done, turn off all the switches except for the vacuum pump. Note <sup>i</sup>
- Even after turning off all the switches, the lid of the vacuum unit cannot be opened. So, rotate the valve to turn off the vacuum to the evaporator.



Now, open the lid and take off the tubes.

- Turn the vacuum pump off and release all vacuum.
- Use a chemical trap in line for corrosive vapors.

Caution: Do not allow corrosive chemicals to contact metal surfaces. Wipe unit clean as required.

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<sup>i</sup> Failure to defrost glass trap in cold water after each run could cause glass breakage for which operator assumes responsibility.