**Standard Operating Procedure for**

**Rota Mantle**

**Purpose: To heat up the solvent while stirring with magnetic bead**

Procedure

1. First make sure the power supply and the **MAIN** switch is off
2. Place your round bottom flask or any other glass apparatus at the nylon compartment, but make sure there is no water sticking on the outer part of the glass apparatus, otherwise it will burn the nylon covering when the device runs
3. Put the probe into your solution, to measure the temperature
4. Switch on the power supply and the **MAIN** switch of the device
5. Put the magnetic bead in your glass apparatus, and set the RPM of the magnetic bead by rotating the knob
6. Don’t set the bead rotation speed to very high, it might damage the glass apparatus
7. To set the temperature, pressing the **SET** button, press **UP ARROW** or **DOWN ARROW** to increase or decrease the temperature, then release the SET button
8. When the **MAIN** button is on, the red indicator will glow under the label ‘**MAIN’**
9. When the set temperature is more than the actual temperature of the solution, the green indicator will glow under the label ‘**HEAT’**
10. After completion, switch off the **MAIN** switch and the power supply