

## **Tabletop Centrifuges**

### **Eppendorf 5810R (PSC 543)**

**Every time you use the centrifuge, you MUST sign the log book.**

**Balance all tubes.**

**Clean up any spills in the rotor and/or the centrifuge.**

**Do not push the centrifuge door closed. Gently close the door just until the hydraulics in the door catches.**

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1. Turn centrifuge on using power button on side panel, lower right. Press Open button to open centrifuge door.
2. To change rotors. There is a microfuge tube rotor, microplate rotor and a 15 ml/30 ml tube rotor available. Use the rotor key in the drawer under the centrifuge to remove the rotor. Insert the key into the middle of the rotor and turn counter clockwise. Remove the rotor. Place the new rotor onto the motor shaft. Insert the rotor key and turn clockwise to tighten. Put unused rotor and key back in the drawer.
3. The centrifuge has automatic rotor detection. It detects a new inserted rotor and displays the name of the rotor for about 2 sec. This sets the maximum speed limit for the rotor. If you get an error message (Hint C), you started the centrifuge before the rotor was detected. Just restart the centrifuge.
4. Be sure to put the lid on the rotor before starting.
5. Balance your tubes or plates.
6. Close the centrifuge door. This door has hydraulics, so you don't have to push the door closed. With a couple fingers only, press the door closed just until it catches. The hydraulics will finish closing the door. Pushing the door closed with any amount of force will damage the hydraulics and require a service call.
7. Use Fast Temp to cool chamber and rotor quickly. Make sure that the rotor and lid are installed. Make sure there isn't a blank in rotor before starting fast cool because the rotor spins. Press Start/Stop key to end the Fast Temp.
8. You can set the centrifuge to fast cool at a specified time and also a specified time each day. See Debby for instructions.
9. With the arrow keys, set Time. Continuous run can be set by entering either 99.59 or less than 30 sec.
10. With the arrow keys, set Temp.
11. With the arrow keys, set Speed. Switch between rpm/rcf as needed by pressing the Speed button.
12. Press start/stop to start run.
13. You can either let the time run out or press start/stop to end your run.

